



U.S. Department  
of Transportation

National Highway  
Traffic Safety  
Administration

400 Seventh Street, S.W.  
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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AUTO SAFETY HOTLINE  
(800) 424-9393  
Wash. D.C. Area 366-0123

Case Vehicle (A): 1998 Mercury  
 Type: Tracer, 4-door coupe  
 Driver: 20-year-old female  
 CDC: 02-RYEW-3

Vehicle (B): 1995 Mercury  
 Type: Sable, 4-door sedan  
 Driver: 53-year-old male  
 CDC: 99-0000-0

## SITUATION

(Slide 1) Case vehicle (A) was traveling west in the inside westbound lane of a straight section of a dry, asphalt, four-lane roadway, with a speed limit of 56 kph (35 mph), and was approaching a three-leg intersection. Vehicle (B) was traveling east in the outside eastbound lane of the same roadway. (Slides 2, 3) As vehicle (B) entered the intersection, the driver of case vehicle (A) made a left turn across the path of vehicle (B), and the front of vehicle (B) struck the right fender and door of case vehicle (A).

## GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

(Slide 4) Damage to the right-front fender and right-front door of case vehicle (A) was severe. The direct-damage length was 207 cm above the sill, and began just forward of the right C-pillar and ended just behind the right-front axle. The maximum crush was 42 cm and occurred forward of the lower A-pillar. The right wheelbase was reduced 4 cm, and the left wheelbase was extended 13 cm.

Using the WinSMASH accident-reconstruction program, (slides 5, 6, 7) c-values for case vehicle (A), and a PDOF of 60 degrees, the following impact severity was calculated:

Vehicle	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	EBS	32 (20)	-16 (-10)	-28 (-17)

## DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

### Exterior

(Slides 8, 9, 10, 11, 12, 13) The right fender, the right-front wheel strut, the right A-pillar, the right door, and the right B-pillar were crushed. The windshield was damaged by impact forces.

Both right-side doors were jammed closed. (Slides 14, 15) The right-front door was removed from the vehicle during extrication of the right-front passenger. The hood latch was damaged, but remained operational. The right hood hinge was slightly deformed, but not separated. The right rear edge of the hood was elevated, but it did not contact the damaged windshield.

### Interior

(Slides 16, 17, 18, 19) This vehicle was equipped with both steering-wheel and passenger frontal-impact airbags, which deployed during the right-side impact. (Slides 20, 21, 22) No damage was noted to the airbag skins or module doors/flaps. (Slide 23) The steering-wheel rim was not deformed, and the steering-wheel column was not rotated. (Slides 24, 25, 26, 27, 28, 29, 30, 31) The right-front door, the armrest, the glove box door and the right kick panel were damaged by intrusion and occupant contact. The right-front door hardware, the right kickpanel, the glass, the roof siderail, and the right A- and B-pillars were damaged by intruding structural components. The windshield was cracked due to right A-pillar movement and from contact by the deploying passenger frontal-impact airbag door/flap. The rearview mirror was dislodged from its mount. The upper, mid and lower instrument panels, the climate control vents, and the parking brake lever were damaged by intruding structural components. The right-front seat adjuster was deformed and jammed and the backrest and cushion were damaged by the intruding door. (Slides 32, 33, 34, 35, 36, 37) The following intrusions were noted and measured:

Location	Component	Distance (cm)	Direction
right front	roof siderail	3	to left
right front	A-pillar	11	to left
right front	B-pillar	9	to left
right front	door	14	to left
right front	kickpanel	22	to left
right front	sill	21	to left

### OCCUPANT INJURIES AND KINEMATICS

The 5-ft, 8-in, 150-lb, 20-year-old female driver (slides 38, 39) was not wearing the available three-point belt, and the steering-wheel airbag deployed. (Slide 40) On impact, the unbelted driver moved to the right and forward relative to the vehicle interior, and into the airbag, center console and right-front passenger.

She sustained a brief loss of consciousness, due to an unknown injury source. She sustained an abrasion to the chin, possibly from contact by the deploying airbag. She sustained a contusion to her right hand/wrist possibly from contact with the center instrument panel. She also sustained a contusion to the left knee, probably from contact with the knee bolster.

The 5-ft, 5-in, 127-lb, 18-year-old right-front female passenger (slides 41, 42) was wearing the available three-point belt, and the passenger frontal-impact airbag deployed. (Slide 43, 44) On impact, she moved to the right and forward relative to the vehicle interior, and into the airbag. (Slides 45, 46, 47) She sustained a small right pneumothorax from contact and loading by the door interior. She also sustained minimally displaced fractures of the right superior and inferior pubic rami, a comminuted fracture of the right iliac wing, and a dislocated comminuted fracture of the right acetabulum, from contact and loading by the door interior and door armrest. She sustained contusions to the right medial and posterior calf, probably from the seat but possibly from contact by her left knee. (Slides 48, 49) She sustained contusions to the left anterior and medial shin, probably from contact with the glove box door. She also sustained a Grade-I spleen laceration from an unknown source.

The following tables and (slides 50, 51) attached drawings summarize the injuries sustained by the driver and right-front passenger.

Occupant: Driver  
Restraints: 3-point belt not worn; airbag deployed

Age: 20 years  
Stature: 173 cm (5 ft, 8 in)

Gender: Female  
Mass: 68 kg (150 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Loss of consciousness < one hour	2			Unknown
Contusion, right hand/wrist	1			Center instrument panel
Abrasion, chin	1			Airbag
Contusion, left knee	1		Knee bolster	
<u>Maximum A.I.S. Level</u>	<u>2</u>			
<u>Injury Severity Score</u>	<u>5</u>			

Occupant: Right front  
Restraints: 3-point belt worn; airbag deployed

Age: 18 years  
Stature: 165 cm (5 ft, 5 in)

Gender: Female  
Mass: 58 kg (127 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Small, right pneumothorax,	3	Door interior		
Laceration, spleen, Grade-I	2			Unknown
Fracture, comminuted, right iliac wing	3	Door interior/armrest		
Fracture, comminuted and dislocated, right acetabulum	3	Door interior/armrest		
Fracture, right superior and inferior pubic rami	3	Door interior/armrest		
Contusion, right medial and posterior calf	1		Seat	Left leg
Contusion, left medial and anterior shin	1		Glove box door	
<u>Maximum A.I.S. Level</u>	<u>3</u>			
<u>Injury Severity Score</u>	<u>22</u>			

TIME		ENVIRONMENTAL CONDITIONS	
DATE OF COLLISION		CONSTRUCTION ZONE	
<hr style="border-top: 1px solid black;"/> <span style="display: inline-block; width: 100px; text-align: center;">m m / d d / y y y y</span> <hr style="border-top: 1px solid black;"/>		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Q</span> (0) NO (1) YES (9) UNKNOWN	
HOUR OF COLLISION (24 HOUR CLOCK)		ROAD ALIGNMENT VERTICAL PLANE	
<hr style="border-top: 1px solid black;"/> <span style="display: inline-block; width: 100px; text-align: center;">21 — — — 24</span> <hr style="border-top: 1px solid black;"/>		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">3</span> (1) LEVEL (2) CREST OF HILL (3) SLOPE (2%) (4) BOTTOM OF HILL (9) UNKNOWN	
LOCATION		ROAD ALIGNMENT HORIZONTAL PLANE	
STATE: _____		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span> (1) STRAIGHT (2) CURVE (3) T - SHAPED (4) Y - SHAPED (7) OTHER: _____ (9) UNKNOWN	
STATE FIPS CODE		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">35</span> (10) DRY (21) WATER - DAMP (22) WATER - WET (23) WATER - PUDDLED (29) WATER - AMOUNT UNKNOWN	
AREA		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">10</span> (31) SNOW - LOOSE (32) SNOW - PACKED (39) SNOW - CONDITION UNKNOWN	
ENVIRONMENTAL CONDITIONS		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">36</span> (41) ICE (51) SLUSH (61) SPILLED GRAVEL (71) OTHER: _____ (99) UNKNOWN	
LIMITED-ACCESS HIGHWAY		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">37</span> (0) NO (1) YES (9) UNKNOWN	
ROAD, TOTAL TRAFFIC LANES (FOR CASE VEHICLE)		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">4</span> (1) 1-LANE (2) 2-LANES (3) 3-LANES (4) 4 OR MORE LANES (5) DIVIDED, 4 OR MORE LANES (6) PARKING LOT/DRIVEWAY (7) OTHER: _____ (9) UNKNOWN	
INTERSECTING RD, TOTAL LANES CHOOSE FROM ABOVE LIST, OR		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">38</span> (8) NOT APPLICABLE	
TYPE OF ROAD SURFACE		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">39</span> (0) NONE (1) CLOUDY/DARK (2) FOG (3) SMOKE (4) WINDSHIELD CONDITION (5) GLARE (6) RAIN (7) OTHER: _____ (8) ICE/SNOW (9) UNKNOWN	
ROAD DEFECTS		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">30</span> (0) NO (1) YES (9) UNKNOWN	
VISIBILITY LIMITATION (FOR CASE VEHICLE)		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">31</span> (3) VEGETATION (E.G. BUSHES, SHRUBS) (4) TREE (5) HILL OR CURVE IN ROAD (6) VEHICLE IN TRANSPORT (7) OTHER: _____ (8) PARKED VEHICLE (9) UNKNOWN	
VISIBILITY OBSTRUCTION (FOR CASE VEHICLE)		<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">32</span> (0) NONE (1) BUILDING (2) SIGN (3) VEGETATION (E.G. BUSHES, SHRUBS) (4) TREE (5) HILL OR CURVE IN ROAD (6) VEHICLE IN TRANSPORT (7) OTHER: _____ (8) PARKED VEHICLE (9) UNKNOWN	



## CRASH DETAILS

## CASE VEHICLE AND OBJECT

(0) NO  
(1) YES  
(9) UNKNOWN

1  
47

## CASE VEHICLE ROLLOVER

(0) NO ROLLOVER  
(1) YES, FIRST EVENT  
(2) YES, SUBSEQUENT EVENT  
(3) YES, SEQUENCE UNKNOWN  
(9) UNKNOWN

1  
48CASE VEHICLE RAN OFF ROADWAY  
(BEFORE FIRST IMPACT)

(0) NO  
(1) YES  
(9) UNKNOWN

1  
49MOVING CASE VEHICLE AND  
CONTACTED MOVING VEHICLE

(0) NO  
(1) YES  
(9) UNKNOWN

1  
50CASE VEHICLE AND  
CONTACTED STOPPED VEHICLE

(0) NO  
(1) YES  
(9) UNKNOWN

1  
51STOPPED CASE VEHICLE AND  
CONTACTED VEHICLE

(0) NO  
(1) YES  
(9) UNKNOWN

1  
52TOTAL NUMBER  
OF VEHICLES CONTACTED  
BY CASE VEHICLE IN CRASH

(8) 8 OR MORE  
(9) UNKNOWN

1  
53ANY FIRE IN THIS CRASH  
(NOT JUST CASE VEHICLE)

(0) NO  
(1) YES  
(9) UNKNOWN

1  
54HIGHEST POLICE INJURY  
SEVERITY CODE IN CRASH  
(NOT JUST CASE VEHICLE)

(0) O - NO INJURY  
(1) C - POSSIBLE INJURY  
(2) B - NON-INCAPACITATING INJURY  
(3) A - INCAPACITATING INJURY  
(4) K - FATAL  
(5) INJURED, SEVERITY UNKNOWN  
(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(9) UNKNOWN

1  
55

## DRIVER IMPAIRMENT

DRIVER ALCOHOL INVOLVEMENT  
(CASE VEHICLE)

(0) NONE  
(1) YES  
(9) UNKNOWN/NOT REPORTED/  
NO DRIVER

DRIVER ALCOHOL BAC  
(CASE VEHICLE)

(80) NO TEST  
(90) CHEMICAL TESTS, NO RESULTS  
(95) AUTOPSY, NO RESULTS  
(99) UNKNOWN

WAS THERE MENTION OF DRIVER  
IMPAIRMENT FOR CASE VEHICLE?

(0) NO  
(1) YES  
(9) UNKNOWN

1  
561  
5780  
581  
59

## LIST IMPAIRMENTS MENTIONED:

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## POST - CRASH DETAIL

MANNER CASE VEHICLE  
LEFT SCENE

(1) DRIVEN  
(2) TOWED DUE TO DAMAGE  
(3) TOWED, NOT DUE TO DAMAGE  
(4) TOWED, REASON UNKNOWN  
(9) UNKNOWN

1  
542  
60

# ACCIDENT SCHEMATIC

ACCIDENT DESCRIPTION: Case vehicle (A) was traveling west in the inside westbound lane of a 4-lane roadway, approaching a 3-leg intersection. Vehicle (B) was traveling east in the outside eastbound lane of the same roadway. As vehicle (B) entered the intersection, the driver of case vehicle (A) made a left-turn across the path of vehicle (B) and the front of vehicle (B) struck the right fender and door of case vehicle (A)

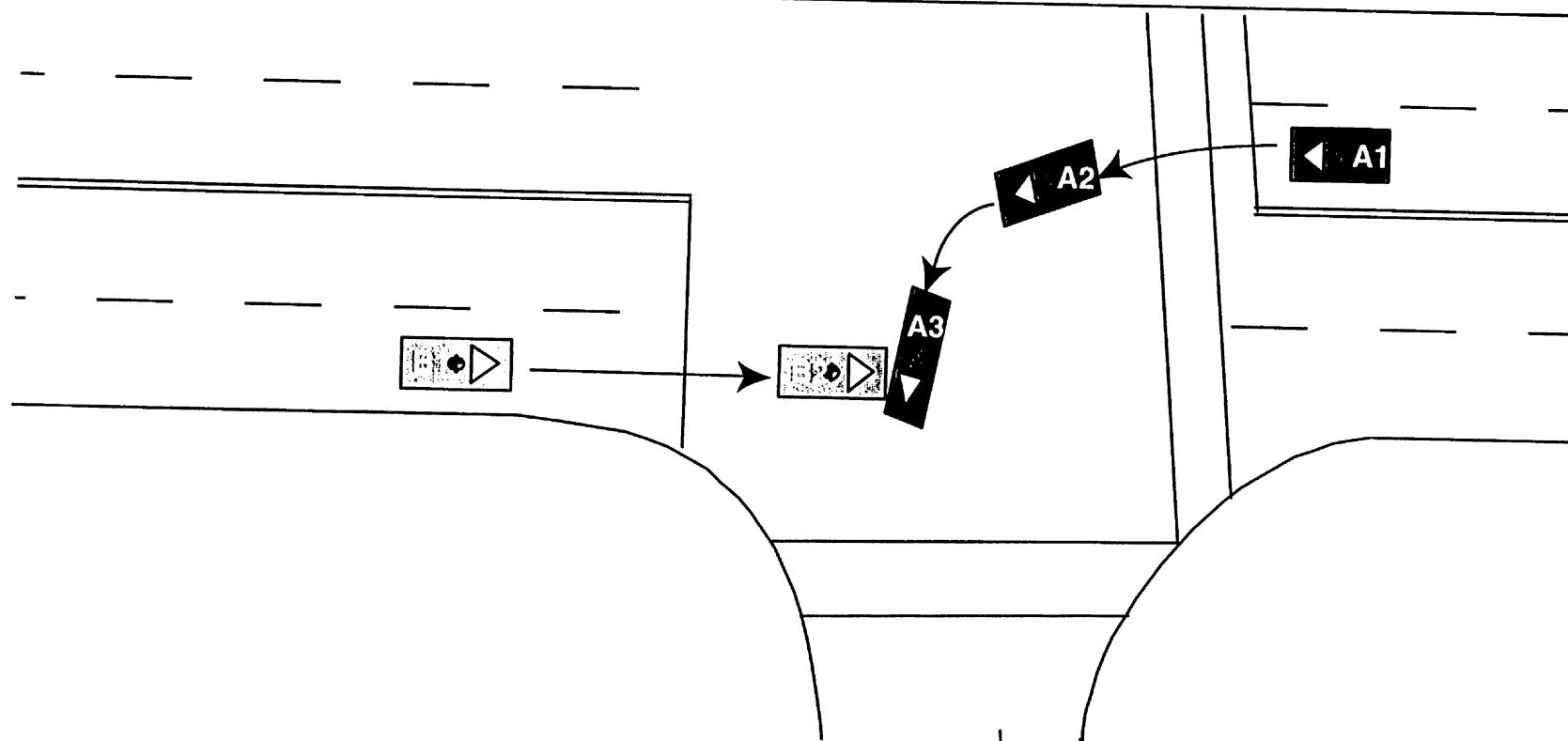
CASE VEHICLE (A): 1998 Mercury Tracer  
OTHER VEHICLE (B): 1995 Mercury Sable  
THIRD VEHICLE (C): N/A

Q  
4

1

NORTH

Speed limit 56 kph (35 mph)



Duplicate columns 1-8  
from the previous card.

Module O 9 V 10 Format 0 11 4 12

OTHER VEHICLE

OV-1

MAKE: Mercury

MODEL: Sable 4-door

CARGO: Unknown

VIN

1MELMS5073SG

13

29

MANUF/BODY CODE

12228

30

34

MAKE/MODEL CODE

0959

38

MODEL YEAR

1995

39

42

VEHICLE MASS (kg)

001432

43

48

IF SEPARATE REPORT WAS MADE,  
GIVE VEHICLE NUMBER

0

NUMBER OF OCCUPANTS  
(ENTER 9'S IF UNKNOWN)

01

51

TRAVELING SPEED (km/h)

999

54

- (000) PARKED OR STOPPED
- (995) JUST STARTING UP
- (996) BACKING UP
- (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
- (998) SPEED EXCESSIVE (BUT UNKNOWN)
- (999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY  
CODE FOR THIS VEHICLE

- (0) O - NO INJURY
- (1) C - POSSIBLE INJURY
- (2) B - NON-INCAPACITATING INJURY
- (3) A - INCAPACITATING INJURY
- (4) K - FATAL
- (5) INJURED, SEVERITY UNKNOWN
- (6) DIED PRIOR TO ACCIDENT
- (7) NON-FATAL INJURY  
SEVERITY UNKNOWN
- (8) UNOCCUPIED VEHICLE  
(NOT APPLICABLE)
- (9) UNKNOWN

0

55

#### VEHICLE TYPE

##### PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP CAR
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

**28**

56 57

##### MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

#### TRUCK

- (11) VAN
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

#### BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cm)  
(999) UNKNOWN

**269**

58 59 60

Duplicate columns 1-8  
from the previous card.

Module O  
9      V  
10      Format 0  
11      2  
12

OTHER VEHICLE      OV-2

ORIGINAL SPECIFICATIONS

Wheelbase	<u>1432</u> cm	Front Overhang	<u>102</u> cm
Curb Weight	<u>269</u> kg	Rear Overhang	<u>115</u> cm
Average Track Width	<u>155</u> cm	Undeformed End Width (UEW)	<u>155</u> cm
Overall Length	<u>488</u> cm	Engine Displacement	<u>3.0</u> L
Overall Width (OAW)	<u>180</u> cm	Engine: # of Cylinders	<u>6</u>

VEHICLE DAMAGE

*Not  
Inspected*

FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

999 cm

Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$

99 %

Vehicle Overlap (Percent) =  $\frac{DDL + 1/2(OAW - UEW)}{OAW}$

99 %

MAKE: Mercury  
MODEL: Tracer 4-door

CARGO: \_\_\_\_\_

VIN

1 M E F M 1 0 P 5 W W 1 1

13

29

MANUFAC/BODY CODE

1 2 2 2

30

34

MAKE/MODEL CODE

0 9 7 6

38

MODEL YEAR

1 9 9 8

39

42

VEHICLE MASS (kg)

0 0 1 1 2 2

43

48

ODOMETER (km)

0 6 8 4 8 5

49

54

NUMBER OF OCCUPANTS  
(ENTER 9'S IF UNKNOWN)0 2

56

TRAVELING SPEED (km/h)

9 9 7

59

- (000) PARKED OR STOPPED
- (995) JUST STARTING UP
- (996) BACKING UP
- (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
- (998) SPEED EXCESSIVE (BUT UNKNOWN)
- (999) UNKNOWN

## VEHICLE TYPE

## PASSENGER VEHICLE

- (11) 2-DOOR HARDTOP (NO UPPER B-PILLAR)
- (12) 2-DOOR SEDAN OR COUPE (ANY UPPER B-PILLAR)
- (13) 4-DOOR HARDTOP
- (14) 4-DOOR SEDAN
- (15) STATION WAGON
- (16) CONVERTIBLE
- (18) OTHER PASS. VEH. : \_\_\_\_\_
- (19) PASSENGER VEHICLE, TYPE UNKNOWN

1 4

60 61

## MULTIPURPOSE PASSENGER VEHICLE

- (21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO)
- (22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (23) VAN, SIZE UNKNOWN
- (24) VAN, SMALL (MINI)
- (25) VAN, LARGE
- (29) MPV, TYPE UNKNOWN
- (30) MOTOR HOME

## TRUCK

- (31) PICKUP TRUCK, UNKNOWN
- (32) PICKUP TRUCK, SMALL (DOWNSIZED)
- (33) PICKUP TRUCK, LARGE
- (99) UNKNOWN

## STOLEN VEHICLE

- (0) NO
- (1) YES
- (8) NOT COLLECTED
- (9) UNKNOWN

8  
62

## BODY STRUCTURE

- (1) BODY & FRAME
- (2) UNITIZED
- (3) INTEGRAL-STUB FRAME
- (4) BODY & PLATFORM FRAME (E.G. VW BUG)
- (5) PARTIALLY UNITIZED
- (7) OTHER: \_\_\_\_\_
- (9) UNKNOWN

2  
63

## TRANSMISSION

- (0) NONE
- (1) AUTOMATIC
- (2) MANUAL
- (9) UNKNOWN

1  
64LOCATION OF TRANSMISSION  
SELECTOR LEVER

- (1) FLOOR
- (2) CONSOLE
- (3) COLUMN
- (7) OTHER: \_\_\_\_\_
- (9) UNKNOWN

2  
65

## STEERING

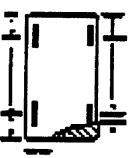
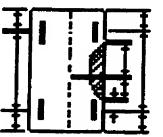
- (1) POWER
- (2) MANUAL
- (9) UNKNOWN

1  
66

## BRAKES

- (1) POWER
- (2) MANUAL
- (9) UNKNOWN

1  
67

TYPE OF BRAKES  (1) DRUM, ALL WHEELS (2) DISC, FRONT WHEELS (3) DISC, ALL WHEELS (9) UNKNOWN	2 68	WHEELBASE (cm) (999) Unknown	250 76 77 78
BRAKE ANTI-LOCK DEVICE  (0) NONE INSTALLED (1) TWO-WHEEL (2) FOUR-WHEEL (7) EQUIPPED, UNKNOWN WHEELS (9) UNKNOWN	1 69	PLASTIC ANTI-LACERATIVE INNER LAYER GLASS EQUIPPED  (0) NONE (1) WINDSHIELD (2) WINDSHIELD AND SIDE (7) OTHER (9) UNKNOWN	1 79
AIR CONDITIONING IN VEHICLE  (0) NO (1) YES (8) NOT COLLECTED (9) UNKNOWN	8 70		
TYPE OF DRIVE  (1) REAR WHEEL (2) FRONT WHEEL (3) FOUR WHEEL (4) ALL WHEEL DRIVE (9) UNKNOWN	2 71	FIELD INVESTIGATOR INSTRUCTIONS:  1. INDICATE CRUSHED AREAS BY OUTLINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.  2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.  3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR.  4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.	
DUAL REAR WHEELS  (0) NO (1) YES (9) UNKNOWN	1 72	EXAMPLES:    	
ORIGINAL TYPE OF RESTRAINT SYSTEM  (1) ACTIVE BELT (2) PASSIVE BELT (3) AIRBAG (4) KNEE BOLSTERS (7) OTHER: (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	3 73		
EQUIPPED WITH ROLL BAR  (0) NO (1) YES (9) UNKNOWN	1 74		
TYPE OF ROOF  (0) NONE (1) SOLID (2) T-TOP CLOSED (3) T-TOP OPEN (4) SUN ROOF CLOSED (5) SUN ROOF OPEN (6) CONVERTIBLE CLOSED (7) CONVERTIBLE OPEN (8) OTHER: _____ (9) UNKNOWN	1 75		

Duplicate columns 1-8  
from the previous card.

Module V D Format 0 2  
9 10 11 12

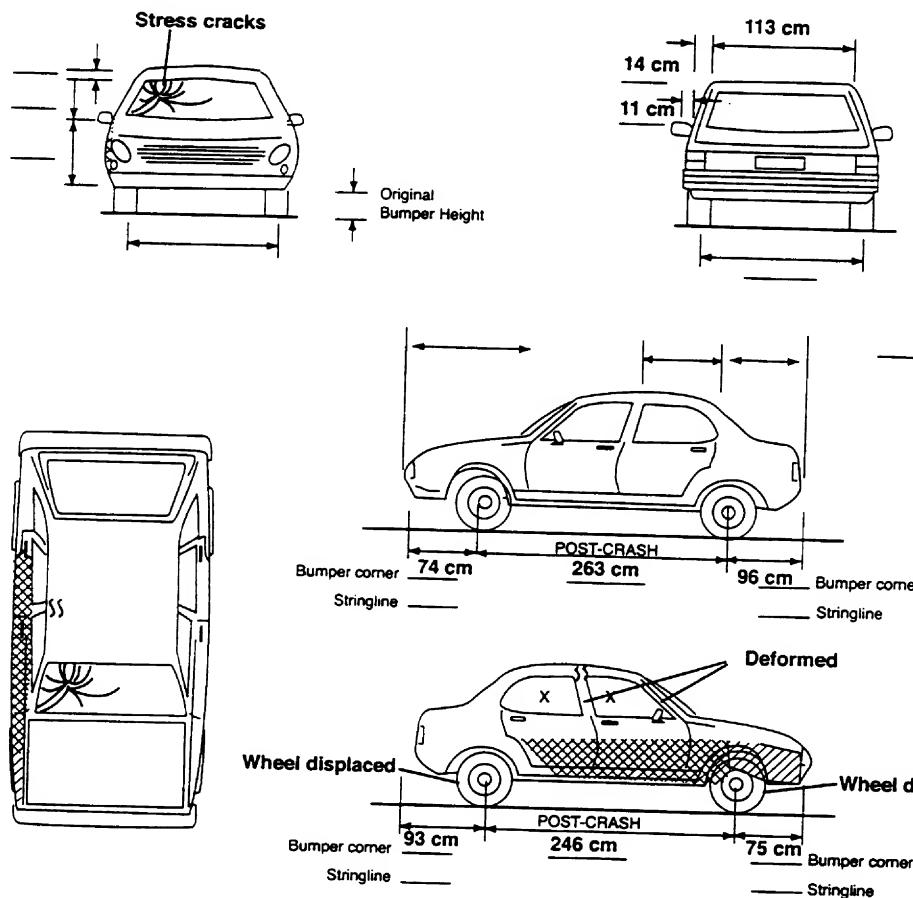
### VEHICLE DESCRIPTION

VD-3

## ORIGINAL SPECIFICATIONS

Wheelbase	<u>250</u>	cm	Front Overhang	<u>089</u>	cm
Curb Weight	<u>1122</u>	kg	Rear Overhang	<u>105</u>	cm
Average Track Width	<u>142</u>	cm	Undeformed End Width (UEW)	<u>145</u>	cm
Overall Length	<u>444</u>	cm	Engine Displacement	<u>2.0</u>	L
Over "I" Width (OAW)	<u>170</u>	cm	Engine: # of Cylinders	<u>04</u>	

## VEHICLE DAMAGE



## FRONTAL CRASH OVERLAP

Round up for .5.  $98 = 98\%$  or more  
Enter % overlap or “99” for missing or N/A.

### Direct Damage Length (DDL)

9 9 9 cm

Front-End Overlap (Percent) = DDL  
UEW

99 %

$$\text{Vehicle Overlap (Percent)} = \frac{\text{DDL} + 1/2(\text{OAW} - \text{UEW})}{\text{OAW}} \quad \underline{\hspace{10cm}}$$

9 9 %

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 2  
9 10 11 12

DAMAGE DA-1

PRIMARY	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	<u>1</u> <u>9</u> <u>9</u> <u>9</u> 14 15 16	<u>9</u> <u>9</u> <u>9</u> 35 36 37
IMPACT SPEED (km/h)		
ESTIMATED BY		
CRUSH (cm)	<u>0</u> <u>4</u> <u>2</u> 18 19 20	<u>9</u> <u>9</u> <u>9</u> 39 40 41
CDC #1	<u>0</u> <u>2</u> <u>R</u> <u>Y</u> <u>E</u> <u>W</u> <u>3</u> 21 27	<u>9</u> <u>9</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> 42 48
CDC #2	<u>9</u> <u>8</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> 28 34	<u>9</u> <u>8</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> 49 55

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 3  
9 10 11 12

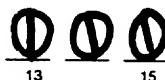
SECONDARY	CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	<u>8</u> 13	
IMPACT SPEED (km/h)	— 14 15 16	— 35 36 37
ESTIMATED BY	— 17	— 38
CRUSH (cm)	— 18 19 20	— 39 40 41
CDC #1	— 21 — — — — — — 27	— 42 — — — — — — 48
CDC #2	— 28 — — — — — — 34	— 49 — — — — — — 55

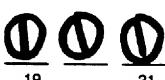
## CODES

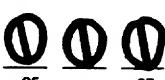
EVENT NUMBER	IMPACT SPEED ESTIMATOR	CRUSH
(8) NOT APPLICABLE	(1) INVESTIGATOR	(998) NOT APPLICABLE
(9) UNKNOWN	(2) DRIVER	(NO VEHICLE/DAMAGE)
IMPACT SPEED	(3) POLICE	(999) UNKNOWN
(998) NOT APPLICABLE	(4) "CRASH" PROGRAM	CDC
(999) UNKNOWN	(5) OTHER COMPUTER PROGRAM SPECIFY: _____	(9800000) NOT APPLICABLE
	(7) OTHER: _____	(9900000) UNKNOWN
	(8) NOT APPLICABLE (NO VEHICLE/NO IMPACT)	

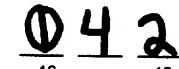
## MAXIMUM SHEET METAL CRUSH

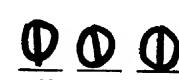
(cm) (999) UNKNOWN

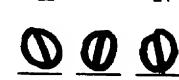
FRONT   
 13      15

REAR   
 19      21

ROOF   
 25      27

RIGHT SIDE   
 16      18

LEFT SIDE   
 22      24

OTHER   
 28      30

CHRONOLOGICAL SEQUENCE  
OF DAMAGE/INJURY PRODUCING CRASH EVENTS  
FOR CASE VEHICLENOTE: IF CHRONOLOGICAL ORDER  
IS UNKNOWN, EVENT  
ORDER IS OPTIONAL.DO YOU KNOW THIS TABLE  
TO BE IN CHRONOLOGICAL ORDER?1  
31(0) NO  
(1) YES

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	 32	 34	 36
#2	 37	 39	 41
#3	 42	 44	 46
#4	 47	 49	 51
#5	 52	 54	 56
#6	 57	 59	 61
#7	 62	 64	 66

CODES FOR  
IMPACT CONFIGURATIONFRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPE BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPE BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPE BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPE BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

## ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

## UNKNOWN

- (99) IMPACT TYPE UNKNOWN

## CODES FOR VEHICLE/OBJECT CONTACTED

## VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT
- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

## BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

## PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZE                            WHEELBASE

SUB-MINI	< 2286 mm (< 90")
MINI	2286 - 2412 mm (90" - 94.9")
SUB-COMPACT	2413 - 2539 mm (95" - 99.9")
COMPACT	2540 - 2666 mm (100" - 104.9")
INTERMEDIATE	2667 - 2793 mm (105" - 109.9")
FULL	2794 - 2920 mm (110" - 114.9")
LARGE	2921 - 3174 mm (115" - 124.9")
LIMOUSINE	> 3175 mm (> 125")

## MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107", E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107", E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

## TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

## MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

## SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

## OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES



Duplicate columns 1-8  
from the previous card.

Module C 9 R 10 Format 0 11 1 12

CRASH RECONSTRUCTION CR-1  
for  $\Delta V$

		CASE VEHICLE PRIMARY IMPACT				CASE VEHICLE SECONDARY IMPACT			
		CASE VEHICLE		CONTACTED VEHICLE		CASE VEHICLE		CONTACTED VEHICLE	
		13				47			
EVENT NUMBER									
$\Delta V$ (km/h)	TOTAL	13 14 15 16	032	028 32 33 34		47 48 49 50		66 67 68	
	LONGITUDINAL*	- 016 17 20	- 016 35 38	- 028 39 42		51 55		69 72 73 76	
	LATERAL*	- 028 21 24	+ 000 39 42						
	NOTE: THESE $\Delta V$ COMPONENTS MUST INCLUDE SIGN.								
	EXAMPLES: 10 km/h = $\pm 010$ -7 km/h = $\pm 007$								
ENERGY DISSIPATED BY CRUSH (kj)		0066 25 28	0028 43 46		59 62		77 80		
RECONSTRUCTION		65943 22 29 30		27917 43 46					
	(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL				63 64				
	(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL								
	(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL								
	(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL								
NOT RECONSTRUCTED BECAUSE									
	(02) INSUFFICIENT DATA								
	(03) EXCESSIVE UNDERRIDE/ OVERRISE								
	(04) ROLLOVER								
	(05) VAULTING								
	(06) OTHER TRAVEL IN MORE THAN ONE PLANE								
	(07) NON-HORIZONTAL FORCE								
	(08) SIDESWIPE-TYPE DAMAGE								
	(09) YIELDING OBJECT								
	(10) OTHER:								
	(11) AT LEAST ONE VEHICLE BEYOND SCOPE								
	(12) OTHER VEHICLE NOT INSPECTED								
MODE			2 31			65			
	(1) CDC ONLY								
	(2) CDC & DETAILED DAMAGE								
	(3) TRAJECTORY & CDC								
	(4) TRAJECTORY & CDC & DETAILED DAMAGE								
	(5) NOT RECONSTRUCTED								
COMPUTER PROGRAM SPECIFY: <u>WINSMASH</u> <u>ROLDMISS</u>									

Duplicate columns 1-8  
from the previous card.

Module C 9 R 10 Format 0 11 2 12

CRASH RECONSTRUCTION CR-2  
for EBS

	CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
	1 13		47	
EVENT NUMBER				
EBS (km/h) TOTAL	037 14 15 16	999 32 33 34	48 49 50	66 67 68
LONGITUDINAL*	-018 17 20	9999 35 38	51	69 72
LATERAL*	-032 21 24	9999 39 42	55	73 76
NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.				
EXAMPLES: 10 km/h = ±0.10 -7 km/h = -0.07				
ENERGY DISSIPATED BY CRUSH (kJ)	0066 25 28 65943	9999 43 46	59	77 80
RECONSTRUCTION	21 29 30		63 64	
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL				
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL				
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL				
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL				
NOT RECONSTRUCTED BECAUSE				
(02) INSUFFICIENT DATA				
(03) EXCESSIVE UNDERRIDE/ OVERRISE				
(04) ROLLOVER				
(05) VAULTING				
(06) OTHER TRAVEL IN MORE THAN ONE PLANE				
(07) NON-HORIZONTAL FORCE				
(08) SIDESWIPE-TYPE DAMAGE				
(09) YIELDING OBJECT				
(10) OTHER: _____				
(11) AT LEAST ONE VEHICLE BEYOND SCOPE				
(12) OTHER VEHICLE NOT INSPECTED				
MODE	2 31		65	
(1) CDC ONLY				
(2) CDC & DETAILED DAMAGE				
(3) TRAJECTORY & CDC				
(4) TRAJECTORY & CDC & DETAILED DAMAGE				
(5) NOT RECONSTRUCTED				
COMPUTER PROGRAM SPECIFY: <u>WINSMASH</u>				

Duplicate columns 1-8  
from the previous card.

Module C R Format 0 3  
9 10 11 12

CRASH RECONSTRUCTION CR-3

**NOTES:** 1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.

2. MEASURE  $C_1$  TO  $C_6$  FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.

3. *D* IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.

#### 4. USE THE CENTER OF THE WHEEL BASE AS THE CG

## CASE VEHICLE

## LOCATOR

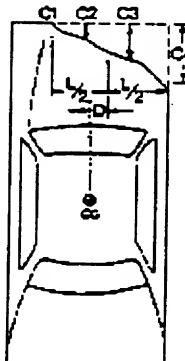
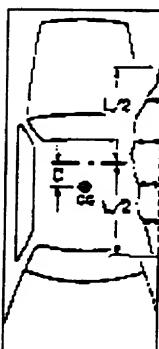
Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	Ends + 41cm from rear axle	Ends + 41cm from rear axle

14

## PIANE

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other \_\_\_\_\_
- (9) Unknown



PI

N/A

N/A

#### CRUSH PROFILE IN CENTIMETERS

**NOTE:** Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line

NOTES: 1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.

2. MEASURE  $C_1$  TO  $C_6$  FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.3.  $D$  IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.

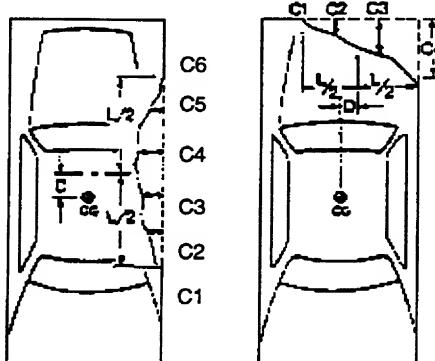
4. USE THE CENTER OF THE WHEELBASE AS THE CG.

OTHER VEHICLE

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L

Not  
inspected

## PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other \_\_\_\_\_
- (9) Unknown

DL \_\_\_\_\_

UDL \_\_\_\_\_

## CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	±D
		Length (DDL)	Max Crush								
1											
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2											

Duplicate columns 1-8  
from the previous card.

Module W  
9      10      Format 0  
11      12

## WHEELS AND TIRES

WT-1

### WHEELS--DAMAGED

(0) NO  
(1) YES  
(9) UNKNOWN

LF      1  
13

RF      1

RR      1

LR      1  
16

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF      P 1 8 5 6 5 R 1 4  
25

RF      P 1 8 5 6 5 R 1 4  
35

RR      P 1 8 5 6 5 R 1 4  
45

LR      P 1 8 5 6 5 R 1 4  
55

### TIRE TREAD TYPE

(1) REGULAR  
(2) SNOW  
(3) SLICKS  
(4) ALL WEATHER (MS)  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF      4  
17

RF      4

RR      4

LR      4  
20

### CARCASS CONSTRUCTION

(1) BIAS  
(2) BELTED BIAS  
(3) RADIAL  
(4) ELLIPTICAL  
(5) HI PRESSURE SPARE  
(6) SPACE SAVER SPARE  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF      3  
21

RF      3

RR      3

LR      3  
24

IF VEHICLE IS EQUIPPED WITH DUAL  
WHEELS, COMPLETE FOR OUTER WHEELS  
AND MAKE NOTES ON INNER WHEELS.

NOTES: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

TYPE OF PROPULSIVE FUEL	<u>1</u> <hr/> <u>13</u>	AUXILIARY TANK TYPE	<u>8</u> <hr/> <u>21</u>
(1) GASOLINE (2) DIESEL OIL (3) LPG (4) ELECTRIC (7) OTHER: _____ (9) UNKNOWN		(1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	
MAIN TANK LOCATION	<u>322</u> <hr/> <u>14</u> <u>16</u>	AUXILIARY TANK LOCATION	<u>888</u> <hr/> <u>22</u> <u>24</u>
MAIN FILLER CAP LOCATION	<u>113</u> <hr/> <u>17</u> <u>19</u>	AUXILIARY FILLER CAP LOCATION	<u>888</u> <hr/> <u>25</u> <u>27</u>
MAIN TANK MATERIAL	<u>1</u> <hr/> <u>20</u>	AUXILIARY TANK MATERIAL	<u>8</u> <hr/> <u>28</u>

## TANK AND FILLER CAP LOCATION CODES

## FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

## SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

## THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

## TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

## DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.(1) YES COMPLETE PAGE.

13

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	14 15	—	—	—	—	21
#2	22 23	—	—	—	—	29
#3	30 31	—	—	—	—	37
#4	38 39	—	—	—	—	45
#5	46 47	—	—	—	—	53

## I LEAKING COMPONENT

## TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

## DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

## EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

## EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN

(49) ENGINE COMPARTMENT, COMPONENT UNKNOWN  
(99) COMPONENT UNKNOWN

## II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

## III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) Ruptured
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

## IV SEVERITY OF DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

## V LOCATION OF LEAK

## FIRST DIGIT (LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
- (2) P, BETWEEN COWL & REAR BULKHEAD
- (3) B, BEHIND REAR BULKHEAD
- (4) Y, F, & P
- (5) Z, P, & B
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

## SECOND DIGIT (LATERAL LOCATION)

- (1) L, LEFT
- (2) C, CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module F R Format 0 1  
9 10 11 12

**FIRE FR-1**

**WAS THERE FIRE IN OR ON CASE VEHICLE?**

(0) NO SKIP PAGE.  
(1) YES COMPLETE PAGE.

13  
**1**

**DID FIRE START IN CASE VEHICLE?**

(0) NO  
(1) YES  
(9) UNKNOWN

14

**SEVERITY OF FIRE DAMAGE**

(1) MINOR  
(2) MODERATE  
(3) SEVERE  
(9) UNKNOWN

16

**FLAME PROPOGATION RATE**

(1) RAPID/EXPLOSIVE  
(2) SLOW/MODERATE  
(9) UNKNOWN

15

**DID AN INJURY TO CASE  
VEHICLE OCCUPANT RESULT FROM  
FIRE IN OR ON CASE VEHICLE?**

(0) NO  
(1) YES  
(9) UNKNOWN

17

**PROVIDE NOTES IF FIRE OCCURRED.**

HOOD PERFORMANCE			STEERING COL FLEXIBLE COUPLING		
FOR THE FOLLOWING, USE CODES:			FLEXIBLE COUPLING TYPE		
<ul style="list-style-type: none"> <li>(0) NO</li> <li>(1) YES</li> <li>(8) NOT APPLICABLE</li> <li>(9) UNKNOWN</li> </ul>			<ul style="list-style-type: none"> <li>(0) NONE</li> <li>(1) FLEXIBLE MATERIAL</li> <li>(2) POT</li> <li>(3) SINGLE U-JOINT</li> <li>(4) DOUBLE U-JOINT</li> <li>(5) FLEXIBLE CABLE</li> <li>(6) COMBINATION OF ABOVE (CIRCLE EACH)</li> <li>(7) OTHER: _____</li> <li>(8) EQUIPPED, TYPE UNKNOWN</li> <li>(9) UNKNOWN, IF EQUIPPED</li> </ul>		
HOOD LATCH(ES)- <ul style="list-style-type: none"> <li>-RELEASED</li> <li>-DAMAGED</li> <li>-JAMMED</li> </ul>			COUPLING- <ul style="list-style-type: none"> <li>-DAMAGED</li> <li>-SEPARATED (COMPLETE)</li> </ul>		
HOOD HINGES- <ul style="list-style-type: none"> <li>-LEFT, DAMAGED</li> <li>-LEFT, SEPARATED (COMPLETE)</li> <li>-RIGHT, DAMAGED</li> <li>-RIGHT, SEPARATED (COMPLETE)</li> </ul>			ENG COMPART TELESCOPING UNIT		
HOOD REMAINED ON VEHICLE			TYPE OF UNIT <ul style="list-style-type: none"> <li>(00) NONE INSTALLED</li> <li>(01) - (07) SEE UNITS ON PAGE ED-2</li> <li>(88) NOT COLLECTED</li> <li>(97) OTHER: _____</li> <li>(98) EQUIPPED, TYPE UNKNOWN</li> <li>(99) UNKNOWN IF EQUIPPED</li> </ul>		
REAR EDGE OF HOOD- <ul style="list-style-type: none"> <li>-ELEVATED</li> <li>-CONTACTED WINDSHIELD</li> <li>-PENETRATED WINDSHIELD</li> </ul>			ORIGINAL LENGTH (mm) F (OR H): _____		
HOOD LATCH LOCATION <ul style="list-style-type: none"> <li>(1) FRONT OF VEHICLE</li> <li>(2) COWL AREA</li> <li>(3) SIDE</li> <li>(8) NOT APPLICABLE</li> <li>(9) UNKNOWN</li> </ul>			TELESCOPED LENGTH (mm) G: _____		
			DIFFERENCE (mm) F (OR H) - G (IF LESS THAN 15mm, ENTER "000".)		
<b>ENGINE OR TRANSMISSION MOUNT</b> SEPARATION (COMPLETE)			(888) NOT COLLECTED (991) NOT MEASURED/NO COMPRESSION (992) COMPRESSED, AMOUNT UNKNOWN (993) DEVICE EXTENDED (997) UNABLE TO BE MEASURED (998) NOT APPLICABLE (NOT EQUIPPED) (999) UNKNOWN		

<p><b>LEFT-SIDE BODY MOUNT</b></p> <p>DID BODY MOUNT SEPARATE?</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN</p>		 34	<p><b>LEFT DOORS</b></p> <p>HOW DID DOORS OPEN DURING COLLISION?</p> <p><b>USE CODES:</b></p> <p>(0) DOOR DID NOT OPEN OPENED BECAUSE OF</p> <p>(1) HINGE AREA SEPARATION (2) DOOR-LATCH SEPARATION (3) LATCH-STRIKER SEPARATION (4) STRIKER-PILLAR SEPARATION (5) BODY DISTORTION (6) COMBINATION OF ABOVE <i>(CIRCLE EACH)</i> (7) OPENED, REASON UNKNOWN  (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN</p>	
<p><b>LEFT PILLARS</b></p> <p>PILLARS SEPARATED COMPLETELY -</p> <p><b>USE CODES:</b></p> <p>(0) NO (1) YES (4) NO SEPARATION, BUT DAMAGED (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN</p>		 35	<p>-FRONT</p>	
<p>LOWER</p>		 36	<p>-REAR</p>	
<p>-A-PILLAR, UPPER</p>		 37	<p>-FRONT</p>	
<p>LOWER</p>		 38	<p>-REAR</p>	
<p>-B-PILLAR, UPPER</p>		 39	<p>-FRONT</p>	
<p>LOWER</p>		 40	<p>-REAR</p>	
<p>-C-PILLAR, UPPER</p>		 41	<p>-FRONT</p>	
<p>LOWER</p>		 42	<p>-REAR</p>	
<p>-D-PILLAR, UPPER</p>		 43	<p>-FRONT</p>	
<p>LOWER</p>		 44	<p>-REAR</p>	
<p>DOORS JAMMED CLOSED-</p>		<p><b>USE CODES:</b></p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN</p>		

## REAR DOOR

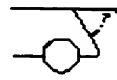
## REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)
- (1) HATCHBACK
- (2) ONE-WAY TAILGATE
- (3) TWO-WAY TAILGATE
- (4) CLAMSHELL/DISAPPEARING TAILGATE
- (5) SINGLE DOOR
- (6) DOUBLE DOOR
- (9) UNKNOWN

Hatchback



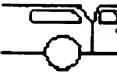
One-way



Two-way



or



Clamshell



Single door



Double door



## HOW DID DOOR OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN

## OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
- (2) DOOR-LATCH SEPARATION
- (3) LATCH-STRIKER SEPARATION
- (4) STRIKER-PILLAR SEPARATION
- (5) BODY DISTORTION
- (6) COMBINATION OF ABOVE (CIRCLE EACH)
- (7) OPENED, REASON UNKNOWN
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

## DOOR JAMMED CLOSED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

47  
8

## OTHER REAR DAMAGE

## WAS PARTITION TO LUGGAGE AREA DAMAGED DURING COLLISION?

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

50  
51

## SPARE TIRE

- (0) NO SPARE TIRE
- (1) NOT ATTACHED BEFORE COLLISION
- (2) ATTACHED, NOT SEPARATED IN COLLISION
- (3) ATTACHED, SEPARATED DUE TO COLLISION
- (8) NOT COLLECTED
- (9) UNKNOWN

8  
51

## TRAILER HITCH TYPE

- (0) NO HITCH

## BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)
- (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
- (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)
- (4) LOAD EQUALIZING

52  
53

## OTHER TYPES

- (5) RING-AND-PINTLE
- (6) FIFTH-WHEEL (INCL P/U)
- (7) OTHER (E.G. CLEVIS-AND-PIN)

- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN IF EQUIPPED

48  
8

TRAILER TYPE  
(AT TIME OF COLLISION)

- (0) NO TRAILER
- (1) TRAVEL-TRAILER/CAMPER
- (2) MOBILE HOME
- (3) BOAT/SNOWMOBILE/ATV TRAILER
- (4) UTILITY TRAILER
- (5) TOWED CAR
- (7) OTHER: \_\_\_\_\_
- (8) TRAILER, TYPE UNKNOWN
- (9) UNKNOWN

53

49  
8

RIGHT-SIDE BODY MOUNT	DID BODY MOUNT SEPARATE?	 54	RIGHT DOORS	HOW DID DOORS OPEN DURING COLLISION?	USE CODES:	(00) DOOR DID NOT OPEN  OPENED BECAUSE OF	
RIGHT PILLARS	PILLARS SEPARATED COMPLETELY -	 55				(01) HINGE AREA SEPARATION (02) DOOR-LATCH SEPARATION (03) LATCH-STRIKER SEPARATION (04) STRIKER-PILLAR SEPARATION (05) BODY DISTORTION (06) COMBINATION OF ABOVE (CIRCLE EACH) (07) OPENED, REASON UNKNOWN (11) VAN RIGHT-REAR DOOR OPENED (ANY MECHANISM)	 63 64
-A-PILLAR, UPPER		 56				(98) NOT APPLICABLE (NO DOOR) (99) UNKNOWN	 65 66
-B-PILLAR, UPPER		 57				 65 66	 -FRONT
-C-PILLAR, UPPER		 59				 67	 -REAR
-D-PILLAR, UPPER		 60				 67	 -FRONT
-D-PILLAR, LOWER		 61				 68	 -REAR
VAN REAR DOOR TYPE		 62				 69	 69

## WINDSHIELD DAMAGE

## WINDSHIELD CRACKED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

WINDSHIELD BROKEN  
(PLASTIC INTERLAYER TORN)

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

CRACKED OR BROKEN  
BY OCCUPANT CONTACT

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

## EXTENT OF BOND SEPARATION

- (0) NONE
- (1) 1 - 20%
- (2) 21 - 40
- (3) 41 - 60
- (4) 61 - 80
- (5) 81 - 99
- (6) TOTAL
- (7) SEPARATED, AMOUNT UNKNOWN
- (8) NOT APPLICABLE
- (9) UNKNOWN

1  
70①  
71②  
72③  
73

## WINDSHIELD MARK ON CASE VEHICLE:



## WINDSHIELD CODE

- (97) DESCRIBED BUT NOT CODED
- (98) NOT APPLICABLE (NO WINDSHIELD)
- (99) UNKNOWN

97  
74 75

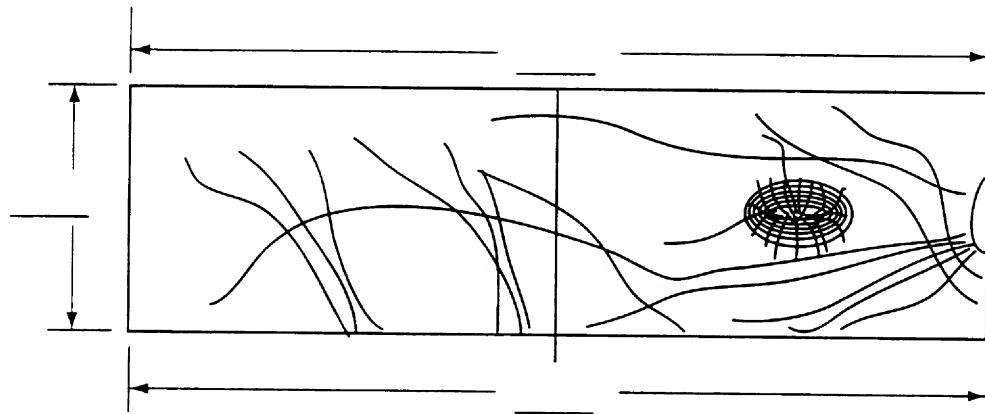
## ROOF

DID T-ROOF/SUN ROOF OPEN  
DURING COLLISION?

- (0) NO
- (1) YES
- (8) NOT APPLICABLE  
(NOT A T-ROOF OR SUN ROOF)
- (9) UNKNOWN

8  
76

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.



## STEERING WHEEL

## STEERING WHEEL RIM DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

## NUMBER OF STEERING WHEEL SPOKES

- (9) UNKNOWN

## STEERING WHL SPOKE DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

## STEERING COLUMN OPTIONS

## TILT FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED, UNK POSITION
- (2) UP *mid to up*
- (3) MIDDLE
- (4) LOWER
- (9) UNKNOWN IF EQUIPPED

## SWING-AWAY FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

## TELESCOPING FEATURE

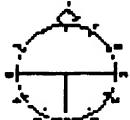
- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

13

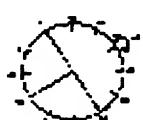
## STEERING WHEEL POSITION AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE NORMAL TOP OF THE WHEEL POINTED WHEN THE COLLISION OCCURRED?

## EXAMPLES

O'CLOCK = 1 2

(NORMAL STRAIGHT AHEAD)

O'CLOCK = 9 10O'CLOCK = — —

(99) UNKNOWN

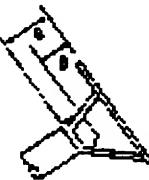
14

## STEERING WHEEL ENERGY ABSORBING DEVICE

## (1) EXAMPLES:

BARRACUDA, 70 - 74  
CHALLENGER, 70 - 74  
CAPRI, 71 - 77

15



## (2) EXAMPLES:

OMNI, 78 -  
HORIZON, 78 -

## TYPE OF DEVICE

- (0) NONE
- (1) CONVOLUTED OR MESH CYLINDER
- (2) DEEP DISH STEERING WHEEL
- (7) OTHER: \_\_\_\_\_
- (8) NOT COLLECTED
- (9) UNKNOWN IF EQUIPPED

8  
19

16

## ORIGINAL DIMENSION (mm)

A: \_\_\_\_\_

17

## DAMAGE DIMENSION (mm)

B: \_\_\_\_\_

18

## DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO MEASURE
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8 8 8  
20 22

STEERING COLUMN  
ENERGY ABSORBING DEVICE

## TYPE OF DEVICE \* (IF 27 OR 28)

- (00) NOT EQUIPPED
- (88) NOT COLLECTED
- (99) UNKNOWN

## ORIGINAL LENGTH (mm)

C: \_\_\_\_\_

## COMPRESSED LENGTH (mm)

D: \_\_\_\_\_

BRACKET DEFLECTION (IF CODE 36, 48,  
OR 49 ABOVE)

OR

## COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE:  $\pm 10$ )

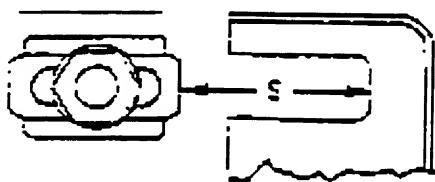
- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

\* (ADD A &amp; B FOR TOTAL COMPRESSION)

## SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT &amp; RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT SEPARATION
- (992) SEPARATED, AMOUNT UNKNOWN
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

## COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION
- (1) UPWARD APPARENT ROTATION
- (2) DOWNWARD APPARENT ROTATION
- (9) UNKNOWN

## COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION
- (1) LEFT APPARENT ROTATION
- (2) RIGHT APPARENT ROTATION
- (9) UNKNOWN

**8**  
23    24

## STEERING WHEEL (CONTINUED)

## STEERING WHEEL HUB DAMAGE

- (0) NONE
- (1) OCCUPANT CONTACT
- (2) AIRBAG
- (3) OTHER \_\_\_\_\_
- (9) UNKNOWN

**Q**  
33

**8**  
25    27

**8**  
28    30

**1**  
31

**1**  
32

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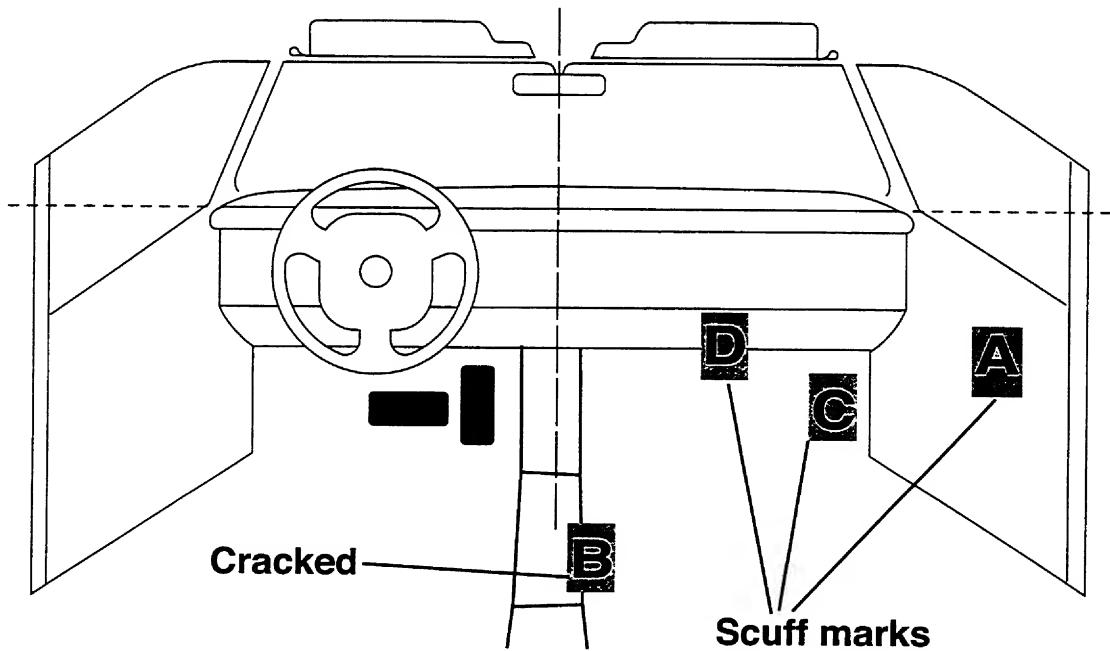
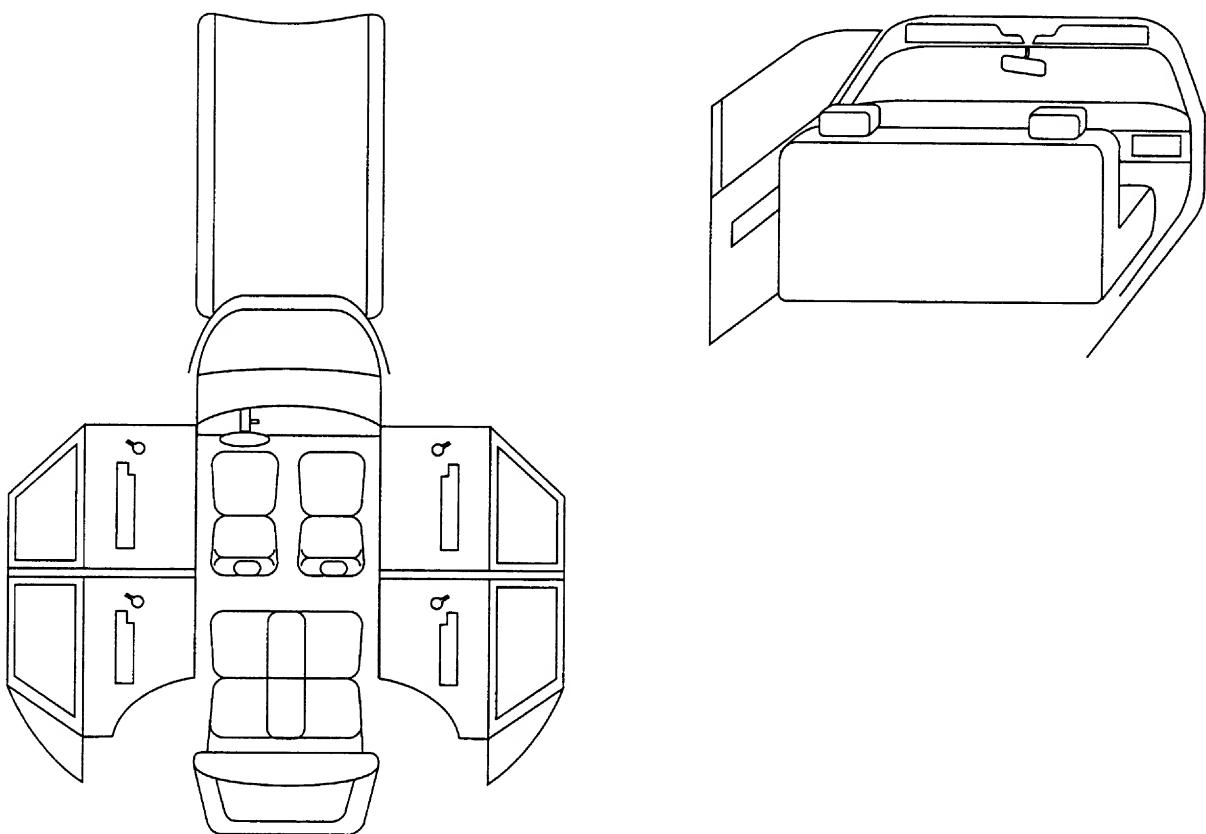
1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)				Dominant Crush Direction
		Comparison Value	-	Intruded Value	=	
13	Siderail	50	-	47	=	3
13	A-pillar	76	-	65	=	11
13	B-pillar	62	-	53	=	9
13	Door	74	-	60 (est)	=	14
13	Kickpanel	52	-	30	=	22
13	Sill	54	-	33	=	21
		-		-	=	
		-		-	=	
		-		-	=	
		-		-	=	
		-		-	=	
		-		-	=	
		-		-	=	

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Armrest	2	Torso	Scuff-marks	1
B	Center console	2	Hip	Cracked	1
C	Kickpanel	2	Foot	Scuff-mark	1
D	Glove box door	2	Knee	Scuff-mark	2
E					
F					
G					
H					
I					
J					



## CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

## FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

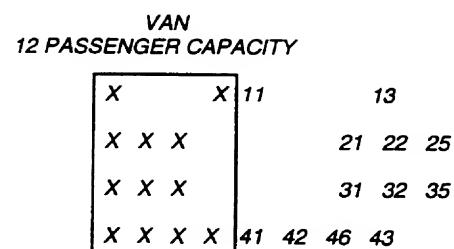
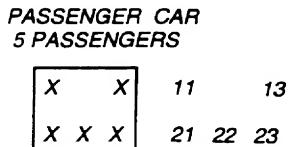
## SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

(1) LEFT	(3) RIGHT	INDIVIDUAL SEAT
(1) LEFT	(2) CENTER	(3) RIGHT BENCH: FULL WIDTH 3 PASSENGER
(1) LEFT	(2) LEFT CENTER	(6) RIGHT (3) RIGHT BENCH: FULL WIDTH 4 PASSENGER
(1) LEFT	(2) CENTER	(5) RIGHT & (5) RIGHT & BENCH: PARTIAL WIDTH, LEFT AISLE SPACE
(0) LEFT & SPACE	(2) CENTER	(5) RIGHT & BENCH: PARTIAL WIDTH, CENTERED SPACE
(4) ENTIRE VEHICLE WIDTH		CARGO AREA

## EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.



## CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)
- (Y) Y-AXIS (LATERAL)
- (Z) Z-AXIS (VERTICAL)

## CODES FOR COLUMNS G, H, I &amp; J, OCCUPANT &amp; INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	<u>CONTACT</u>
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT



## CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

INDIVIDUAL COMPONENT	GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE		
INTERNAL	<i>USE ONLY IF ALL THESE COMPONENTS INTRUDED INTO A SINGLE OCCUPANT SPACE.</i>		
(01) INSTRUMENT PANEL	(50) WINDSHIELD HEADER	(60) ROOF	
(02) FIRE WALL	A-PILLAR	ROOF RAIL	
(03) TOE PAN	ROOF SIDE RAIL	A-PILLAR	
(04) FLOOR PAN		B-PILLAR	
(05) STEERING COLUMN	(51) INSTRUMENT PANEL	C-PILLAR	
(06) WINDSHIELD	A-PILLAR	WINDOW FRAME	
(07) WINDSHIELD HEADER	DOOR PANEL	DOOR PANEL	
(08) A-PILLAR		FLOOR PAN	
(09) DOOR PANEL OR SIDE PANEL	(52) INSTRUMENT PANEL	(61) INSTRUMENT PANEL	
(10) WINDOW FRAME	A-PILLAR	TOE PAN	
(11) B-PILLAR	WINDSHIELD HEADER	WINDSHIELD HEADER	
(12) C-PILLAR		A-PILLAR	
(13) D-PILLAR	(53) DOOR PANEL	ROOF RAIL	
(14) ROOF SIDE RAILS	B-PILLAR	WINDOW FRAME	
(15) ROOF OR CONVERTIBLE TOP	ROOF RAIL	DOOR PANEL	
(16) BACKLIGHT HEADER		ROOF	
(17) FRONT SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	(54) DOOR PANEL	(62) ROOF	
(18) SECOND SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	A-PILLAR	ROOF RAIL	
(19) THIRD SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	ROOF RAIL	C-PILLAR	
(20) FOURTH SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	(55) INSTRUMENT PANEL	WINDOW FRAME	
(21) FIFTH SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	FLOOR PAN	FLOOR PAN	
(22) BACK PANEL/BACK DOOR SURFACE	A-PILLAR	SECOND SEAT	
(23) SEAT CUSHION SURFACE/EDGE	DOOR FRAME	DOOR PANEL	
(24) CONSOLE	(56) ROOF RAIL	(63) ROOF RAIL	
(25) OTHER (DESCRIBE)	A-PILLAR	ROOF	
(26) UNKNOWN INTERNAL SURFACES	B-PILLAR	B-PILLAR	
(28) TRANSMISSION TUNNEL (HUMP)	WINDOW FRAME	WINDOW FRAME	
(29) SIDE FOOTWELL PANEL (KICKPANEL)	(57) ROOF RAIL	FLOOR PAN	
(30) SILL	A-PILLAR	DOOR PANEL	
EXTERNAL	B-PILLAR	SECOND SEAT	
(43) HOOD	C-PILLAR	FRONT SEAT	
(44) OBJECT EXTERNAL TO PASSENGER COMPARTMENT BUT PART OF CASE VEHICLE	DOOR PANEL	(64) ROOF RAIL	
(45) OUTSIDE SURFACE OF CASE VEHICLE	(58) ROOF	ROOF OR CONVERTIBLE TOP	
(46) OTHER (E.G. SPARE TIRE, JACK. DESCRIBE.)	ROOF RAIL	A-PILLAR	
(49) UNKNOWN EXTERNAL OBJECT	WINDOW FRAME	B-PILLAR	
	DOOR PANEL	WINDOW FRAME	
	(59) BACKLIGHT HEADER	WINDOW HEADER	
	ROOF		
	C-PILLAR	(65) WINDSHIELD	
	THIRD SEAT-BACK	WINDSHIELD HEADER	
		ROOF SIDE RAIL	
		(66) WINDSHIELD	
		WINDSHIELD HEADER	
		A-PILLAR	
		(98) NOT APPLICABLE	
		(99) UNKNOWN	

Duplicate columns 1-8  
from the previous card.

Module 1 9 T 10 Format 0 11 1 12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION?

WAS INTRUSION CATASTROPHIC?

13

14

(0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.  
(1) YES ANSWER NEXT QUESTION.  
(9) UNKNOWN SKIP PAGE.

(0) NO COMPLETE PAGE.  
(1) YES SKIP PAGE.

Duplicate columns 1-8  
from the previous card.

Module 1 9 T 10 Format 0 11 2 12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

**INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.**

**CODES FOR B, F, G, H, I, J ON PAGE IT-3**

**CODES FOR C ON PAGE IT-4**

**OCCUPANT CONTACT AND INJURY**

A INTRUSION NUMBER	B OCC. SPACE NO.	C INTRUDING COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E MAXIMUM INTRUSION INTRUSION NO.	F MAXIMUM INTRUSION X AXIS (cm)	G MAXIMUM INTRUSION Y AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
0 1	13	29	1	00	22	00	00	00	00	00
0 2	13	30	1	00	21	00	00	00	00	00
0 3	13	09	1	00	14	00	02	01	02	03
0 4	13	08	1	00	11	00	00	00	00	00
0 5	13	11	1	00	09	00	00	00	00	00
0 6	13	14	1	00	03	00	00	00	00	00
0 7	—	—	—	—	—	—	—	—	—	—

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8  
from the previous card.

Module 1 9 T 10 Format 0 11 3 12

NOTE: IF NO SIDE DOOR INTRUSION,  
SKIP REMAINDER OF PAGE.

SIDE DOOR INTRUSION  
RESULTED FROM

INTRUSION  
NUMBER

CAUSE

CODES  
FOR CAUSE:

03 1  
13 15 (1) DIRECT  
IMPACT  
16 18 (2) INDUCED  
DAMAGE  
19 21 (9) UNKNOWN

IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED  
DOOR INTRUSION, CODE COMPONENT

INTRUSION  
NUMBER

DAMAGED  
COMPONENT 1

DAMAGED  
COMPONENT 2

CODES  
FOR COMPONENTS

A 03  
22 23

1

2  
25

(0) NONE  
(1) A-PILLAR  
(2) B-PILLAR  
(3) C-PILLAR  
(4) LATCH/STRIKER  
(5) HINGES  
(7) OTHER: \_\_\_\_\_

B — —  
26 27

—  
29

C — —  
30 31

—  
33

D — —  
34 35

—  
37

(8) NOT APPLICABLE  
(9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module 1 T Format 0 2  
9 10 11 12

INTRUSION IT-6

- ADDITIONAL PAGE -

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

**INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.**

**CODES FOR B, F, G, H, I, J ON PAGE IT-3**

**CODES FOR C ON PAGE IT-4**

OCCUPANT CONTACT AND INJURY

A INTRUSION NUMBER	B OCC. SPACE NO.	C INTRUDING COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E MAXIMUM INTRUSION INTRUSION X AXIS (cm)	F MAXIMUM INTRUSION INTRUSION Y AXIS (cm)	G MAXIMUM INTRUSION INTRUSION Z AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0</u> <u>8</u>	—	—	—	—	—	—	—	—	—	—
<u>0</u> <u>9</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>0</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>1</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>2</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>3</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>4</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>5</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>6</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>7</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>8</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>9</u>	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>0</u>	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>1</u>	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>2</u>	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>3</u>	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>4</u>	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>5</u>	—	—	—	—	—	—	—	—	—	—

## CODES:

(0) NO  
(1) YES  
(3) NO, and OCCUPANT CONTACT

(4) YES, and OCCUPANT CONTACT  
(8) NOT APPLICABLE  
(9) UNKNOWN

SIDES	LEFT	RIGHT	FRONT		INSTRUMENT PANEL	
FRONT DOOR	13 14	4 14	FOOT CONTROLS	45 46	UPPER PANEL	55
FRONT HARDWARE	15 16	1 16	IGNITION KEYS	47 48	MID PANEL	56
FRONT ARMREST	17 18	4 18	REAR VIEW MIRROR	49	LOWER PANEL	57
FRONT GLASS	19 20	1 20	SUNVISOR/FITTINGS	50	ASHTRAY	58
REAR DOOR AREA	21 22	1 22	(5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES	51 52	CONTROL KNOBS & LEVERS	59
REAR HARDWARE	23 24	1 24	WINDSHIELD TOP MOLDINGS	53 54	GLOVE COMPARTMENT AREA	60
REAR ARMREST	25 26	1 26	LEFT A-PILLAR (UPPER OR LOWER)	55	INSTRUMENTS	61
REAR GLASS	27 28	1 28	RIGHT A-PILLAR (UPPER OR LOWER)	56	PARKING BRAKE RELEASE	62
ROOF SIDE RAIL	29 30	1 30	CENTER CONSOLE	57 58	PARKING BRAKE PEDAL	63
B-PILLAR	31 32	1 32	TRANSMISSION SELECTOR LEVER	59 60	A/C OR UPPER VENT OUTLETS	64
C-PILLAR	33 34	1 34	RIM, HORN, SPOKE	61 62	HEATER OR A/C DUCTS	65
D-PILLAR	35 36	1 36	* post crash damage	63 64	RADIO	66
HEADLINING	37 38	1 38		65 66	OTHER: <u>Kick panel</u>	67
ROOF STRUCTURE	39 40	1 40				
T-ROOF/SUN ROOF	41 42	8 42				
OTHER: *	43	8 44				
					REAR	68
					WINDOW	69
					WINDOW HEADER	
					CONSOLES	
					VERTICAL	
					ROOF	

\* MORE THAN ONE ITEM MAY BE NOTED.

Duplicate columns 1-8  
from the previous card.

Module S  
9      T  
10      Format 0  
11      2  
12

## SEATS

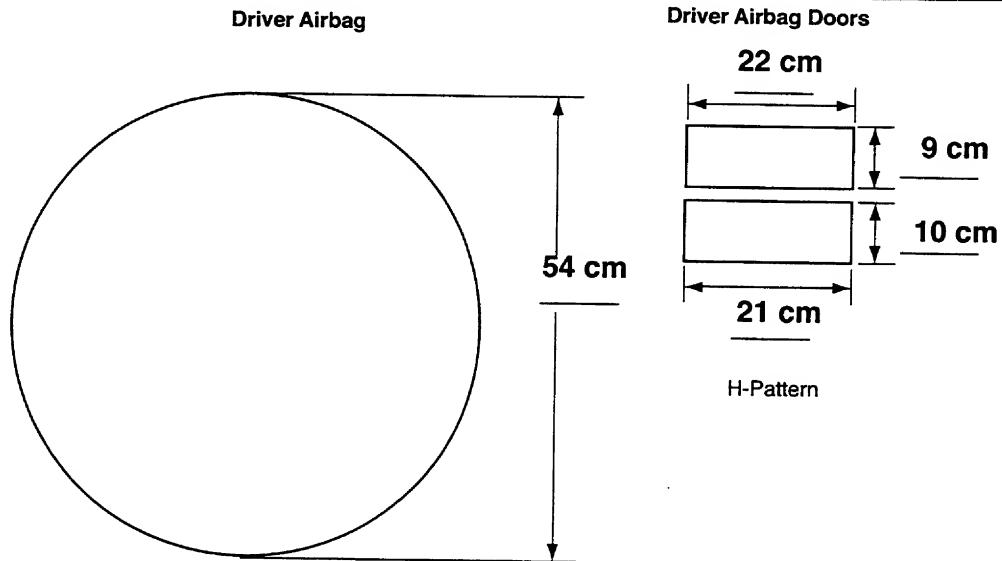
ST-1

<b>FRONT SEAT</b>				<b>FRONT SEAT-BACK</b>			
TYPE OF FRONT SEAT		DRIVER	PASSEN'R	SEAT-BACK TYPE		DRIVER	PASSEN'R
(00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN		05 13 14	05 15 16	(1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		3 30	3 31
TYPE OF SEAT MOUNT		1 17	1 18	SEAT-BACK LOCK TYPE		1 32	1 33
(1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN				(0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN			
SWIVEL MECHANISM EQUIPPED		0 19	0 20	LOCKS HELD		1 34	1 35
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN				(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN			
ORIGINAL EQUIPMENT SEATS		1 21	1 22	RECLINER MECHANISM HELD		1 36	1 37
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN				(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN			
CONTACT OF SEAT BY REAR OCCUPANT		8 23	8 24	HEAD RESTRAINT			
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN				HEAD RESTRAINT TYPE			
FRONT SEAT DAMAGE		0 25	3 26	(0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		1 38	1 39
(0) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN				REMOVED PRE-CRASH			
CENTER ARMREST DAMAGED		8 27		(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN IF EQUIPPED		0 40	0 41
(0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (9) UNKNOWN IF EQUIPPED				ADJUSTMENT AT CRASH			
FRONT SEAT ROTATION		0 28	0 29	(1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN		1 42	2 43
(0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN				HEAD RESTRAINT DAMAGE			
				(0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN		0 44	0 45

FRONT SEAT ADJUSTMENT		DRIVER	PASSENR	SECOND SEAT (CONT.)		
SEAT ADJUSTMENT TYPE		1 46	1 47	CENTER ARMREST DAMAGED		
(0) NONE (RIGID) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE (NO SEAT) (9) UNKNOWN				(0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED		
ADJUSTMENT PROVIDED		2 48	2 49	SECOND SEAT-BACK LOCKS	LEFT	RIGHT
(1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN				FOR THE FOLLOWING, USE:  (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		
SEAT ADJUSTER DAMAGE		0 50	2 51	LEFT OR CENTER, EQUIPPED	61 62	
(0) NONE (1) CHUCKING (FREE PLAY) (2) DEFORMED (RELEASED/JAMMED) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN				LEFT OR CENTER, HELD  (3) SEAT FOLDED DOWN	63 64	
SEAT ADJUSTER SEPARATION		8 52	0 53	RIGHT, EQUIPPED	65 66	
(0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN				RIGHT, HELD  (3) SEAT FOLDED DOWN	67 68	
PRE-CRASH POSITION  (1) FORWARD * mid to rear (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN		3* 54	2 55	THIRD SEAT		
SECOND SEAT		LEFT	RIGHT	EQUIPPED	69 70	
TYPE OF SECOND SEAT		1 56	1 57	BACKREST DAMAGED	71 72	
(0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT (6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN				CUSHION DAMAGED	73 74	
SECOND SEAT DAMAGE				VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS		
(0) NONE (1) BACKREST ONLY (DAMAGED OR LOOSENERED) (2) CUSHION ONLY (DAMAGED OR LOOSENERED) (3) BACKREST & CUSHION (DAMAGED OR LOOSENERED) (4) INTEGRAL CHILD SEAT (PRIORITY CODE) (5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENERED) (8) NOT APPLICABLE (9) UNKNOWN		0 58	1 59	(0) NOT EQUIPPED (OR REMOVED) (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (NO REAR SEAT) (9) UNKNOWN		
				Applies to any rear-seat position		

<p>DRIVER SIDE</p> <p><b>LOCATION OF AIRBAG</b></p> <p><b>STEERING WHEEL</b></p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		13	<p>PASSENGER SIDE</p> <p><b>LOCATION OF AIRBAG</b></p> <p><b>INSTRUMENT PANEL (GLOVE BOX)</b></p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		16
<p><b>CONDITION OF AIRBAG</b></p> <p><b>STEERING WHEEL</b></p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>		15	<p><b>CONDITION OF AIRBAG</b></p> <p><b>INSTRUMENT PANEL (GLOVE BOX)</b></p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>		18
<p>DRIVER SIDE</p> <p><b>AIRBAG</b></p> <p><b>STEERING WHEEL</b></p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p><i>2 straps</i></p>		19	<p>PASSENGER SIDE</p> <p><b>AIRBAG</b></p> <p><b>INSTRUMENT PANEL (GLOVE BOX)</b></p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p>		21
<p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		20	<p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		22

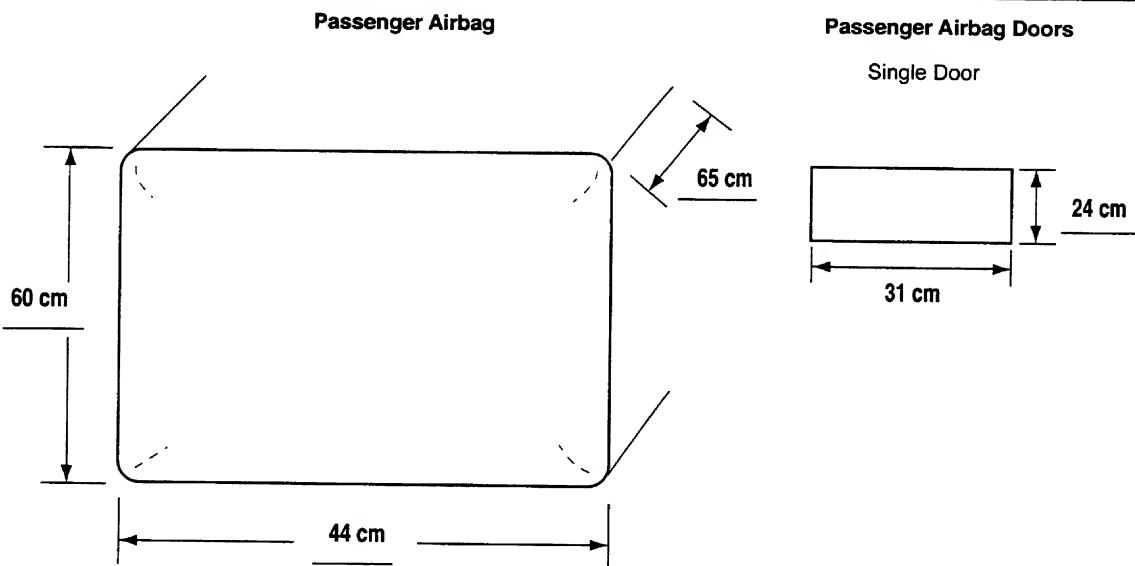
## AIRBAG NUMBER ON DRIVER SIDE:



Vents:  Y  N  
if yes, how many: 2

Tethers:  Y  N  
if yes, how many: 2

## AIRBAG NUMBER ON PASSENGER SIDE:



Vents:  Y  N  
if yes, how many: 2

Tethers:  Y  N  
if yes, how many: \_\_\_\_\_

NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,  
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,  
ARE TO BE FILLED IN  
FOR EACH CASE VEHICLE OCCUPANT,  
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,  
USE ADDITIONAL COPIES  
OF PAGES OC-1, OC-2, OC-3,  
AND IC-2 TO DESCRIBE THEM  
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8  
from the previous card.

Module O C Format 0 2  
9 10 11 12

## OCCUPANT INFORMATION OC-1

<b>OCCUPANT IDENTIFICATION</b> <b>OCCUPANT NUMBER</b> <b>ROLE OF OCCUPANT AT 1ST IMPACT</b> (1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER <i>(NOT DRIVER)</i> (9) UNKNOWN		<b>PHYSICAL DESCRIPTION</b> <b>AGE IN YEARS</b> (00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN <b>AGE IN MONTHS</b> (00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN <b>MASS (kg)</b> (999) UNKNOWN	<b>20</b> 20 21 <b>25</b> 22 23 <b>068</b> 24 25 26
<b>OCCUPANT POSITION</b> <b>ROW LOCATION</b> (1) FRONT (2) SECOND (3) THIRD (4) FOURTH (7) OTHER: _____ (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN		<b>HEIGHT (cm)</b> (999) UNKNOWN	<b>173</b> 27 28 29
<b>LATERAL LOCATION</b> (1) LEFT (2) LEFT CENTER (3) CENTER (4) RIGHT CENTER (5) RIGHT (6) ALL (LYING ON SEAT) (8) EXTERNAL TO PASSENGER COMPARTMENT (9) UNKNOWN		<b>SEX</b> (1) MALE (2) FEMALE (9) UNKNOWN	<b>2</b> 30
<b>POSTURE</b> (10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, <i>SIDEWAYS</i> ) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: _____ (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: _____ (99) UNKNOWN		<b>MEDICAL CONDITIONS</b> <b>TREATMENT/MORTALITY</b> (00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA (07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN	<b>02</b> 31 32
(18) 10 18 19		<b>INJURY SEVERITY SCORE (ISS)</b> (99) UNKNOWN	<b>05</b> 33 34
		<b>NON-IMPACT MED. CONDITIONS</b> (0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL <i>DEATH AT WHEEL</i> ) (3) PRE-CRASH NON-FATAL (E.G. <i>PRIOR INJURY, STROKE</i> ) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: _____ (8) COMBINATION OF ABOVE <i>(CIRCLE EACH)</i> (9) UNKNOWN	<b>0</b> 35

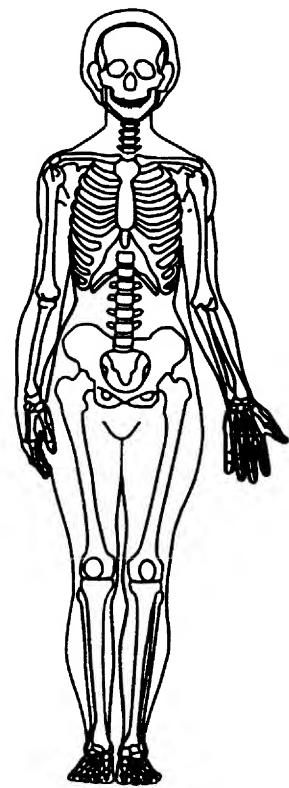
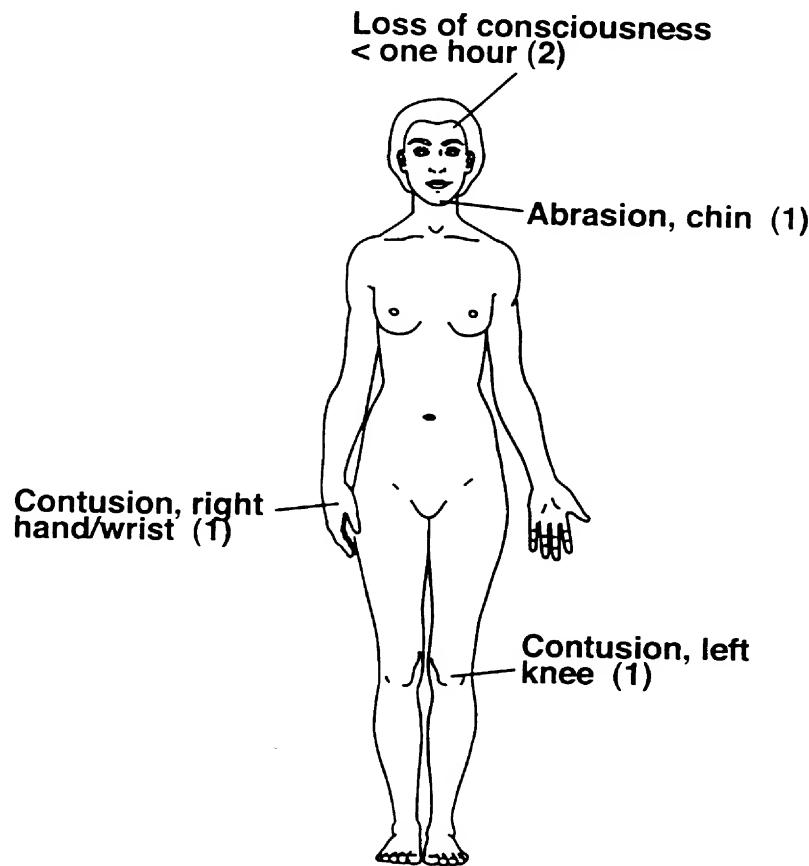
## OCCUPANT INFORMATION OC-2

MEDICAL CONDITIONS (CONT.)	1	CHILD SEAT TYPE	8 8 41 42
		(00) NONE USED (01) YES, USED (02) INTEGRAL, Chrysler Mini-van (88) NOT APPLICABLE (ADULT OR OLDER CHILD) (99) UNKNOWN	
RESTRAINT SYSTEM	3	CHILD SEAT MAKE/MODEL	
		_____	
ACTIVE RESTRAINT SYSTEM	37	EJECTION	1 43
		DEGREE OF EJECTION	
ACTIVE RESTRAINT SYSTEM USAGE	38	(0) NONE (1) PARTIAL (2) COMPLETE (7) EJECTED, DEGREE UNKNOWN (9) UNKNOWN IF EJECTED	98 44 45
		AREA OF EJECTION	
PASSIVE RESTRAINT SYSTEM	39	(01) WINDOW, LEFT SIDE (02) WINDOW, RIGHT SIDE (03) WINDOW, REAR (04) DOOR, LEFT SIDE (05) DOOR, RIGHT SIDE (06) DOOR, REAR OR TAILGATE (07) WINDSHIELD (08) ROOF OR OPEN CONVERTIBLE OR FROM EXTERNAL AREA (96) EJECTED AREA UNKNOWN (97) OTHER AREA: _____ (98) NOT APPLICABLE (NOT EJECTED) (99) UNKNOWN IF EJECTED	
		IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:	
PASSIVE RESTRAINT SYSTEM USAGE	40	HEAD RESTRAINT	1 46
		HEAD RESTRAINT AVAILABLE FOR THIS POSITION	
		(0) NOT EQUIPPED OR REMOVED (1) EQUIPPED (9) UNKNOWN	

## OCCUPANT INFORMATION OC-3

OCCUPANT EYEWEAR		SOURCE OF INFORMATION	
(0) NONE (1) GLASSES (2) CONTACTS (3) BOTH GLASSES AND CONTACTS (4) OTHER _____ (8) NOT APPLICABLE (9) UNKNOWN	47	(0) INTERVIEW (1) HOSPITAL (2) AUTOPSY (3) POLICE (4) OTHER (5) LAY CORONER/EXTERNAL EXAM (7) COMBINATION OF ABOVE (CIRCLE) (8) NOT APPLICABLE (9) UNKNOWN	48

INDICATE LOCATION OF INJURIES.



Duplicate columns 1-8  
from the previous card.

Module I C Format 0 1  
9 10 11 12

## **INJURY CLASSIFICATION IC-1**

**NOTE:** Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

## OCCUPANT INJURY CLASSIFICATION

NOTE: USE ADDITIONAL PAGES IF NECESSARY

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (SPECIFIC AREA UNKNOWN)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (INSTRUMENT PANEL)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (09) STEERING ASSEMBLY (SPECIFIC AREA UNKNOWN)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (SPECIFIC AREA UNKNOWN)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (FRONT)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (BUILT IN)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (66) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (LOCATION UNK.)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (LOCATION UNKNOWN)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (AIRBAG)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (FROM ANY SOURCE)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (SIDE)
- (21) WINDOW FRAMES (SIDE)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (SPECIFIC AREA UNKNOWN)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (E.G. OUTSIDE MIRRORS, ANTENNA, TRIM)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (SPECIFIC AREA UNK.)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (E.G. OUTSIDE MIRRORS, ANTENNA, TRIM)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.)

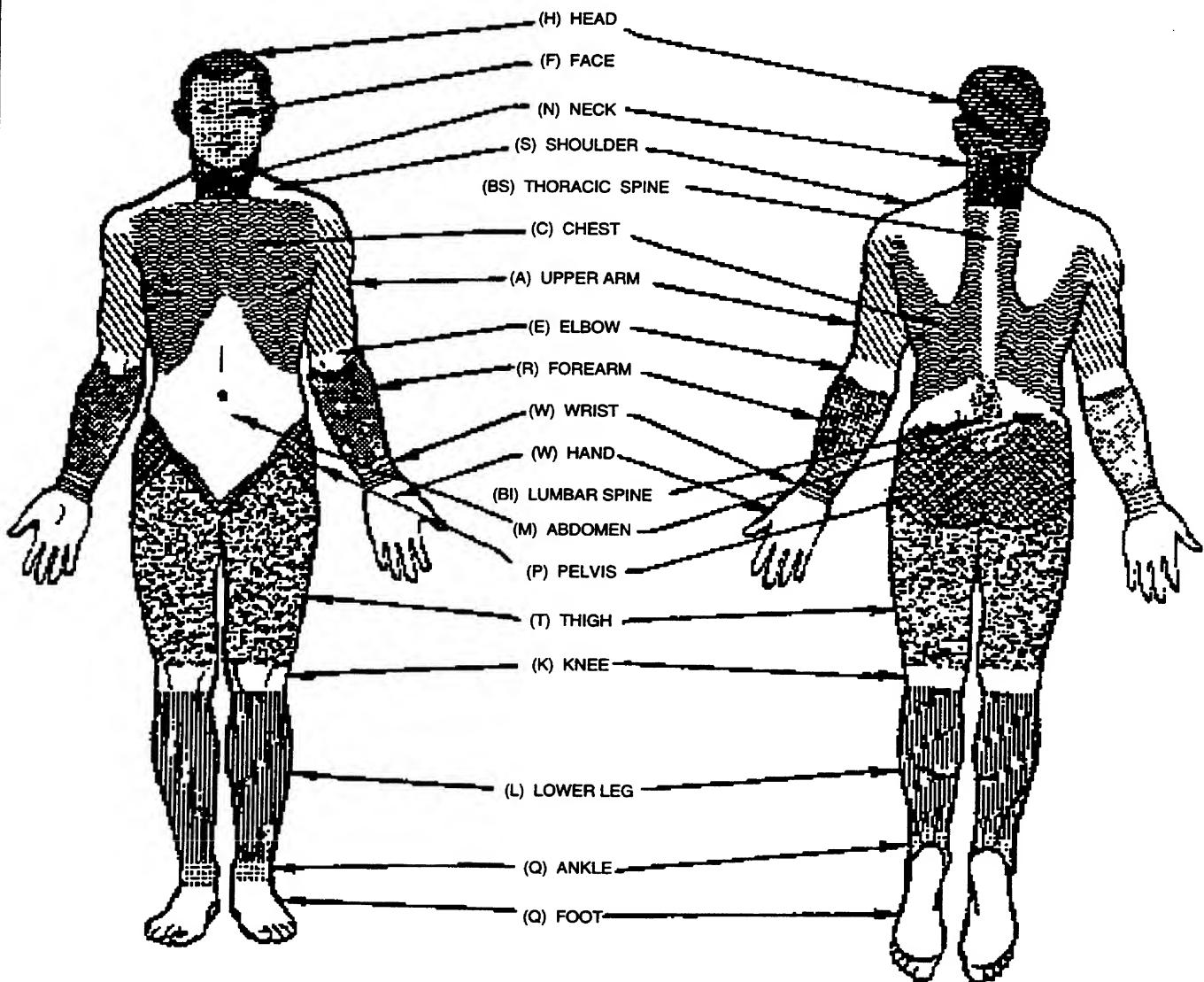
## PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (DESCRIBE)

## MISCELLANEOUS

- (00) NO CONTACT (INVALID FIELD FORM CODE)
- (38) OTHER (E.G. FIRE. DESCRIBE)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

THE FIGURE BELOW  
IS AN EXPLANATION OF THE BODY REGION CODES  
LISTED ON PAGE IC - 4.



## CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

1 BODY REGION	3 LESION	4 SYSTEM/ORGAN
(H) HEAD/SKULL	(L) LACERATION	(S) SKELETAL
(F) FACE	(C) CONTUSION	(V) VERTEBRAE
(N) NECK	(A) ABRASION	(J) JOINTS
(S) SHOULDER	(F) FRACTURE	(D) DIGESTIVE
(X) UPPER EXTREMITIES	(P) PERFORATION, PUNCTURE	(L) LIVER
(A) ARM (UPPER)	(K) CONCUSSION	(N) NERVOUS SYSTEM
(E) ELBOW	(V) AVULSION	(B) BRAIN
(R) FOREARM	(R) RUPTURE	(C) SPINAL CORD
(W) WRIST/HAND	(S) SPRAIN	(E) EARS
(C) CHEST	(D) DISLOCATION	(O) EYES
(M) ABDOMEN	(N) CRUSH	(A) ARTERIES
(B) BACK	(M) AMPUTATION	(H) HEART
(P) PELVIC/HIP	(B) BURN	(Q) SPLEEN
(Y) LOWER EXTREMITIES	(G) DETACHMENT, SEPARATION	(G) UROGENITAL
(T) THIGH	(Z) FRACTURE AND DISLOCATION	(K) KIDNEYS
(K) KNEE	(T) STRAIN	(R) RESPIRATORY
(L) LEG (LOWER)	(E) TOTAL SEVERANCE, TRANSECTION	(P) PULMONARY/LUNGS
(Q) ANKLE/FOOT	(O) OTHER	(M) MUSCLES
(O) WHOLE BODY	(U) UNKNOWN	(T) THYROID, OTHER ENDOCRINE GLAND
(U) UNKNOWN		(I) INTEGUMENTARY (SKIN)
		(W) ALL SYSTEMS IN REGION
		(U) UNKNOWN

## 2 ASPECT

- (R) RIGHT
- (L) LEFT
- (B) BILATERAL
- (C) CENTRAL
- (A) ANTERIOR/FRONT
- (P) POSTERIOR/BACK
- (S) SUPERIOR/UPPER
- (I) INFERIOR/LOWER
- (W) WHOLE REGION
- (U) UNKNOWN

BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY
1	2	3	4	5

5 SEVERITY  
(OR 'AIS', ABBREVIATED INJURY SCALE)

- (0) NONE
- (1) MINOR
- (2) MODERATE
- (3) SERIOUS
- (4) SEVERE
- (5) CRITICAL
- (6) MAXIMUM
- (9) UNKNOWN

OCCUPANT IDENTIFICATION		PHYSICAL DESCRIPTION	
OCCUPANT NUMBER		13 14	18 20 21
ROLE OF OCCUPANT AT 1ST IMPACT		15	25 22 23
(1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER (NOT DRIVER) (9) UNKNOWN		2	
OCCUPANT POSITION		MASS (kg)	
ROW LOCATION		(999) UNKNOWN	
(1) FRONT (2) SECOND (3) THIRD (4) FOURTH (7) OTHER: (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN		16	158 24 25 26
LATERAL LOCATION		17	165 27 28 29
(1) LEFT (2) LEFT CENTER (3) CENTER (4) RIGHT CENTER (5) RIGHT (6) ALL (LYING ON SEAT) (8) EXTERNAL TO PASSENGER COMPARTMENT (9) UNKNOWN		5	2 30
POSTURE		SEX	
(10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, SIDeways) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: (99) UNKNOWN		18 19	(1) MALE (2) FEMALE (9) UNKNOWN
MEDICAL CONDITIONS		TREATMENT/MORTALITY	
10		31 32	(00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA (07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN
INJURY SEVERITY SCORE (ISS)		(99) UNKNOWN	
23 33 34		(99) UNKNOWN	
NON-IMPACT MED. CONDITIONS		(0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL DEATH AT WHEEL) (3) PRE-CRASH NON-FATAL (E.G. PRIOR INJURY, STROKE) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: (8) COMBINATION OF ABOVE (CIRCLE EACH) (9) UNKNOWN	
1 35			

## MEDICAL CONDITIONS (CONT.)

POLICE INJURY SEVERITY  
CODE FOR THIS OCCUPANT

- (0) O - NO INJURY
- (1) C - POSSIBLE INJURY
- (2) B - NON-INCAPACITATING
- (3) A - INCAPACITATING INJURY
- (4) K - FATAL
- (5) INJURED, SEVERITY UNKNOWN
- (6) DIED PRIOR TO IMPACT
- (7) NON-FATAL INJURY,  
SEVERITY UNKNOWN
- (9) UNKNOWN

1  
36

## CHILD SEAT TYPE

- (00) NONE USED
- (01) YES, USED
- (02) INTEGRAL, Chrysler Mini-van
- (88) NOT APPLICABLE  
(ADULT OR OLDER CHILD)
- (99) UNKNOWN

88  
41 42

## RESTRAINT SYSTEM

## ACTIVE RESTRAINT SYSTEM

- (0) NONE
- (1) LAP BELT
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT &  
SHOULDER HARNESS
- (9) UNKNOWN

3  
37

## ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)
- (1) LAP BELT ONLY
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT &  
SHOULDER HARNESS
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NONE AVAILABLE)
- (9) UNKNOWN

3  
38

## PASSIVE RESTRAINT SYSTEM

- (0) NONE
- (1) AIRBAG INSTALLED
- (2) PASSIVE UPPER TORSO  
WITH KNEE BOLSTERS
- (3) PASSIVE UPPER TORSO  
WITHOUT KNEE BOLSTERS
- (4) PASSIVE LAP & UPPER TORSO
- (5) AIRBAG INSTALLED &  
PASSIVE RESTRAINT
- (7) OTHER: \_\_\_\_\_
- (9) UNKNOWN

1  
39

## PASSIVE RESTRAINT SYSTEM USAGE

- (0) SYSTEM DEFEATED
- (1) AIRBAG NOT DEPLOYED
- (2) AIRBAG DEPLOYED
- (3) AIRBAG NOT REINSTALLED
- (4) PASSIVE UPPER TORSO USED
- (5) PASSIVE LAP & UPPER TORSO USED
- (6) SYSTEM USED IN MANUAL MODE
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NOT ORIGINALLY  
EQUIPPED)
- (9) UNKNOWN

2  
40

## EJECTION

## DEGREE OF EJECTION

- (0) NONE
- (1) PARTIAL
- (2) COMPLETE
- (7) EJECTED, DEGREE UNKNOWN
- (9) UNKNOWN IF EJECTED

0  
43

## AREA OF EJECTION

- (01) WINDOW, LEFT SIDE
- (02) WINDOW, RIGHT SIDE
- (03) WINDOW, REAR
- (04) DOOR, LEFT SIDE
- (05) DOOR, RIGHT SIDE
- (06) DOOR, REAR OR TAILGATE
- (07) WINDSHIELD
- (08) ROOF OR OPEN CONVERTIBLE OR  
FROM EXTERNAL AREA
- (96) EJECTED AREA UNKNOWN
- (97) OTHER AREA: \_\_\_\_\_
- (98) NOT APPLICABLE (NOT EJECTED)
- (99) UNKNOWN IF EJECTED

98  
44 45IF OCCUPANT WAS EJECTED, DESCRIBE  
IN DETAIL BELOW:

## HEAD RESTRAINT

HEAD RESTRAINT AVAILABLE  
FOR THIS POSITION

- (0) NOT EQUIPPED OR REMOVED
- (1) EQUIPPED
- (9) UNKNOWN

1  
46

## OCCUPANT INFORMATION OC-3

## OCCUPANT EYEWEAR

- (0) NONE
- (1) GLASSES
- (2) CONTACTS
- (3) BOTH GLASSES AND CONTACTS
- (4) OTHER \_\_\_\_\_
- (8) NOT APPLICABLE
- (9) UNKNOWN

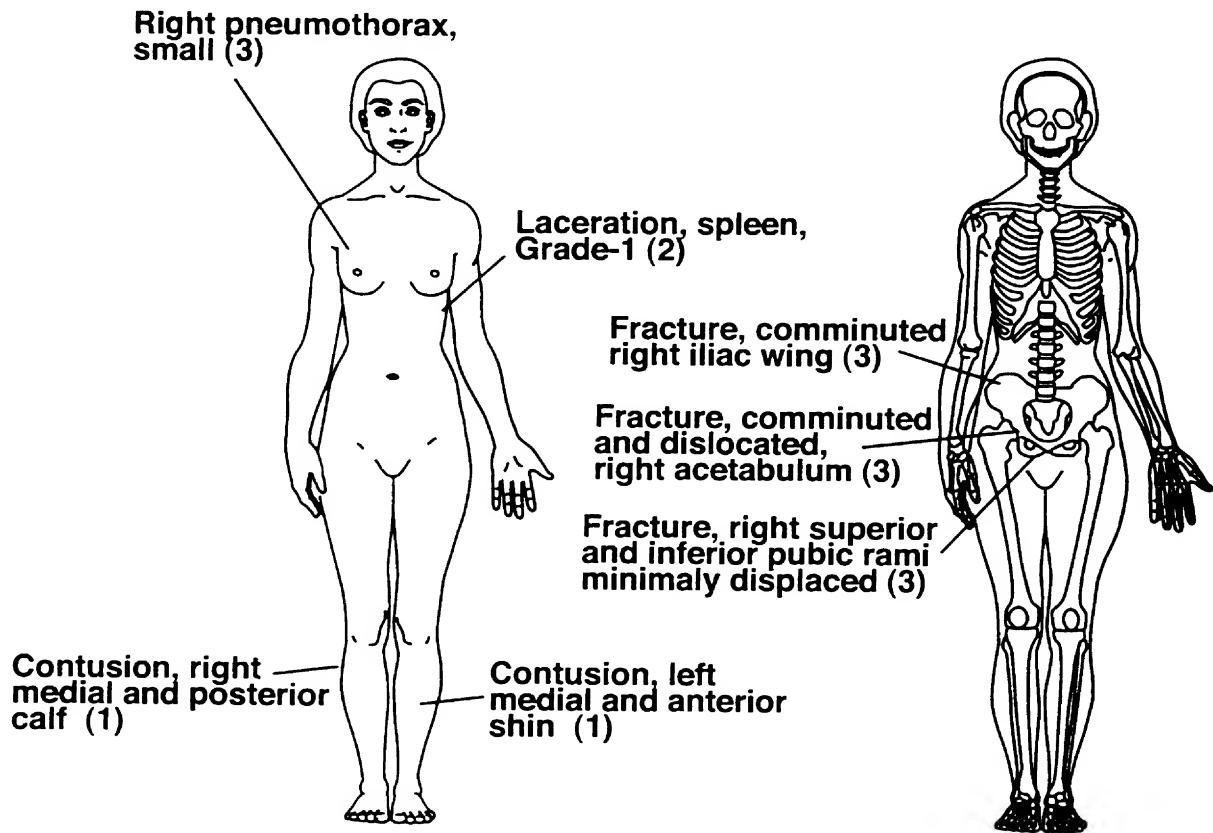
47

## SOURCE OF INFORMATION

- (0) INTERVIEW
- (1) HOSPITAL
- (2) AUTOSPY
- (3) POLICE
- (4) OTHER \_\_\_\_\_
- (7) COMBINATION OF ABOVE (CIRCLE)
- (8) NOT APPLICABLE
- (9) UNKNOWN

7  
48

INDICATE LOCATION OF INJURIES.



**INJURY CLASSIFICATION IC-1**

**NOTE:** Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

## OCCUPANT INJURY CLASSIFICATION

**NOTE: USE ADDITIONAL PAGES IF NECESSARY**

John Murphy  
John Murphy  
John Murphy  
John Murphy  
John Murphy

## How to Deploy Cloud Data



## North

#### REFERENCES AND NOTES



## PN 21900-01



PN21B00#2



PN 21900 #3



PN 219004



PN 21900 #5



PN 21900 #6



PN 21900 #7



PN21900 #8



PN 21900 #9



PN21000#10



PN 21900 #11



PN 21900#12



PN 21900 #13



PN21900#14



PN 21900 #15



**PN 21900 #16**  
**Best Available**



PN21900#17



PN21900 #18  
Best Available



**PN 21900 #19**  
**Best Available**



PN21900 #20

PN21900#21



PN 21900 #22



PN21900 #23



PN21900#24



PN 21900 #25



PN 21900 #26



PN 21900 #27



PN 21900-428



PN 21900 #29



PN 21900 #30



PN21900#31



**PN 21900 #32**  
**Best Available**



PN 21900 #33  
Best Available



PN 21900-#34



PN 21900 #35



PN 21900 #36



PN21800 #37



PN 21900 #38



PN 21900 #39



PN 21900 #40



PN 21900 #41



PN 21900 #42  
Best Available



PN 21900 #43



PN 21900 844



PN21900445



PN21900 #46



PN 21900-#47



PN 21900-248



PN 21900-849

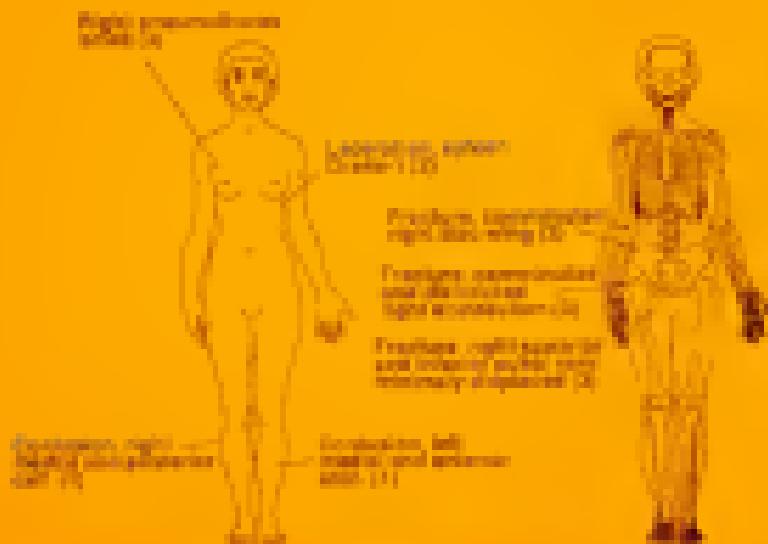
## 1. **Introduction**

10.1.1 *Review the previous section*  
10.1.2 *Review the following section*  
10.1.3 *Review the following section*  
10.1.4 *Review the following section*



## PN 21900 #50

PN 21900 #51



PN 21900 #51